

939

<213> Homo sapiens

<220>

<221> misc feature

<222> (573)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (600)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (622)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (637)

<223> n equals a,t,g, or c

<400> 1508

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tccaagggtc cggcggcgcg cgactcccg cgaagacagcg gtcctcctc ggtgtcttcc 180
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gcctgcccgc cctttccccc gcatggagcg ccggtctccg catcctcgtc ctcgtcgtcg 300
ccggcgcggt cccgcggcgg ctccccgcac cactctgact gcaagaacgg cggcgggggt 360
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cctacaagcc gggccactcg gtgttccccg tgnccgcttc agcattggt accacggctn 600
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<210> 1509

<211> 1230

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (43)

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<221> misc feature

<222> (72)

<223> n equals a,t,g, or c

<220>

940

<221> misc feature
<222> (1218)
<223> n equals a,t,g, or c

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<222> (1226)
<223> n equals a,t,g, or c

<220>
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<222> (1227)
<223> n equals a,t,g, or c

<400> 1509
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<210> 1510
<211> 1013
<212> DNA
<213> Homo sapiens

<400> 1510
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gctgtttgcc cgttcatgtc acaaactgcc actactatgt acctgcagtg gggttgacag 420
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941

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gcctcctttc agtctgggtct acacccactt tctggtagcc tctctgcttc ctgtaattct 540
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ttaacctggg ttcttgatg taaactcctt gagggcaaga acatgtttga acataaaaaa 960
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<210> 1511

<211> 456

<212> DNA

<213> Homo sapiens

<400> 1511

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tgattgcaac tgtgcagggg catcagagct ccagagctat ctggaggagc tgaaggggct 360
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<210> 1512

<211> 2167

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (272)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (841)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1006)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1745)

<223> n equals a,t,g, or c

<220>

942

<221> misc feature
<222> (2063)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2112)
<223> n equals a,t,g, or c

<220>
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<222> (2156)
<223> n equals a,t,g, or c

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gagagaagac taataaggca atccatctat gacccaagac atttttatcc tatgatttta 2040
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943

tgctgtg

2167

<210> 1513

<211> 832

<212> DNA

<213> Homo sapiens

<400> 1513

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cagtggtcag ttacatgtcc ccacagttcc aatgtgcctg ttcactcacc tctcccttcc 180
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<210> 1514

<211> 1364

<212> DNA

<213> Homo sapiens

<400> 1514

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accacttaa aaacccttct tattacaggt cttcacattt aggcttaatg tgcttaattc 1260
aaatgtaaaa atacacctgc ctttgttctc agtgaaagta tgtaataaat aaatgagggg 1320
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944

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1364

<210> 1515

<211> 1493

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1488)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1492)

<223> n equals a,t,g, or c

<400> 1515

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catcctcagc agctgattca ggagatgatg gtaaagctag ctaactatga attaaacatt 180
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atgttactga tgctgtaaat tatttttaat aaagaaaatt gtattatcaa aaaaaaaaaa 1380
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1440
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaagg ggggccnttt tna 1493

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<210> 1516

<211> 2109

945

<212> DNA

<213> Homo sapiens

<400> 1516

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caagacacccc cagaggatct tcagcagtc tacttcccat tctctataga gctttgaagc 180
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attcattctt aagctttaac ttgaaggat cgtaattgcc ggcatttgat gtttagcaat 2040
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<210> 1517

<211> 590

<212> DNA

<213> Homo sapiens

<400> 1517

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ttcgaaaaat aaaaayacwg trtttttaaa agggaaatgc acttaaatga aaacagttat 180
tacaaaagtt aagattttaa aagaaaaagc aagagttttt attatgatgk aataaccagta 240

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946

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gaatattttaa aaggcacacc acatctgaat aatcaatgta aatattttct ttcaaagttg 300
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tgacataaac cattcattgc tacgttgctt attgtgtttt tatgctgttt tatacttttt 420
tatgagttat gatagcagca attaagttgt ttgtattttg cttaactaaa acaaaaatgc 480
ttttatcttg ctatagaata aacacatttc agtaaaaact gtggactgta ttttgatgca 540
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<210> 1518

<211> 425

<212> DNA

<213> Homo sapiens

<400> 1518

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gagggagtaa gaatggggga aggcgcggcg gcggcgcccc ggggagggag tgggtagagt 180
tgagaccta gaaatcggct gagctccggg ggcgggcggg gagaaagggc gggggggcag 240
caggagctag gggccacccc gctgccggat gtagtgaccg tggtaaattgt cttgagaact 300
gtgggttgcg ttgccctttat gatgccgtgt tattggaacc ctggcgaaaa atggaactag 360
tgttgcaata atgagtttta aagctcccc atggaaaaca aaaacacaac caaaccgatt 420
tttta 425

```

<210> 1519

<211> 1186

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1145)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1155)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1177)

<223> n equals a,t,g, or c

<400> 1519

```

ggaaaacttg aagtccaagc cgtgctgctg attccgtctc acagttttaa gactgtccag 60
aaactttaag ctttcaaaac tgtacatttt aaaatcctgt gcgtttatct tcattttgct 120
gggcagaaaag ccaaagtact ggactgcctg gttcagggct gaacgcctag tacacctgct 180
aacttggagc ttcagagcca tggcaaccaa ggagtcaaga gacgccaaag cacagttggc 240
cctctcctca tcggccaatc agagcaagga agtgccctgaa aacccaaact atgctctcaa 300
atgtactctt gtgggacaca cggaagcagt gtcatacagt aagtttagtc ctaatggaga 360
atggctagca agktcttctg ctgataggct aatcataatt tgggggagca tatgatggaa 420
aatatgagaa aacactctat ggtcataatt tggaaatatc ggatgttgcc tggkcatcag 480

```

947

```

attcmagkcg ycttgkttct gcctyaratg ataaaaactct aaaattatgg gatgtgagat 540
ctggaaaatg tttgaaaaca ctgaaggggc acagtaatta tgtcttttgt tgtaacttca 600
atccgccatc caaccttata atctcgggat cttttgatga gactgtaaaa atatgggagg 660
tgaaaacagg aaagtgtctc aagactttgt ctgctcattc tgaccagtt tctgctgttc 720
attttaattg tagtgggtcc ttgatagtgt caggtagcta tgatggcctc tgtagaatct 780
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ttaaactatg ggattatagc agaggcaggt gcctgaaaac atacactggg cataagaatg 960
aaaaatattg catatttgcc aatttttcag ttactggtgg aaagtggatt gtgtctggtt 1020
ccgaggataa ccgggtttac atttggaac cttcagacta aagagattgt gcaggaaatt 1080
acaaggccat acagatgttg tgatctcagg cagcttggtc atcctacagg aaaacctcat 1140
cggcntcagc aggcnttagg gaaaatggac aaaacantta aactgt 1186

```

<210> 1520

<211> 460

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (266)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (304)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (443)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (455)

<223> n equals a,t,g, or c

<400> 1520

```

tcgaccacg cgctccgcaca agargacca acatgtacca agtggtgctt ctgtttgttg 60
ttgtccctga gctgcaggaa catcagtcca aaccgagcag gccatcacc agagtagcag 120
acaaccctga agagggcaga gagccacata atgacaggcc tgtgagcatg gcctttgggt 180
gccagccaga gcatgtgtat gctgagtgtg gaaagaccta cagaccgcc ccaaccccc 240
agctctttcc acagtccacc gtaganaaca ccacccctc ctttaccagt gggacacaag 300
aatncttggt tgtcttcctt atttccattt ccagaagact tttttccact ccacttttcc 360
ttcctccgca atttgcaatc cctttgttgg ctttataagt tattaagctt tttccactcc 420
tgggtggtt tttcccccta gcnagctccc ctganccag 460

```

<210> 1521

<211> 1672

<212> DNA

948

<213> Homo sapiens

<220>

<221> misc feature

<222> (1583)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1645)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1663)

<223> n equals a,t,g, or c

<400> 1521

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ccagcctcca ggcacccggg atccagcgcc gccgctcata acacccgcga ccccgagct 60
aagcgcagct cccgacgcaa tggacccggc gctggcagcc cagatgagcg aggctgtggc 120
cgagaagatg ctccagtacc ggcgggacac agcaggctgg aagatttgcc gggaaggcaa 180
tggagtttca gtttcttgga ggccatctgt ggagtttcca gggaacctgt accgaggaga 240
aggcattgta tatgggacac tagaggaggt gtgggactgt gtgaagccag ctgttggagg 300
cctacgagtg aagtgggatg agaatgtgac cggttttgaa attatccaaa gcatcactga 360
caccctgtgt gtaagcagaa cctccactcc ctccgctgcc atgaagctca tttctcccag 420
agattttgtg gacttggtgc tagtcaagag atatgaggat gggaccatca gttccaacgc 480
caccatgtg gagcatccgt tatgtcccc gaagccaggt tttgtgagag gatttaacca 540
tccttgtggt tgcttctgtg aacctcttcc aggggaaccc accaagacca acctggtcac 600
attcttccat accgacctca gcggttacct cccacagaac gtggtggact ccttcttccc 660
ccgcagcatg acccggtttt atgccaacct tcagaaagca gtgaagcaat tccatgagta 720
atgctatcgt tacttcttgg caaagaactc ccgtgactca tcgaggagct ccagctgttg 780
ggacaccaag gagcctggga gcacgcagag gcctgtgttc actctttgga acaagctgat 840
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gttctcrгаа gtgattctga actgagcacg cactcatgtc tgcatgggga actctgggga 1500
gaagagcett cttttctttt cccttgggccc atttgccctt ccttgtcgtc ttactgaggg 1560
cggaggcagg gagggctctc gtncctttcca gggccctggg cagggccatc ctggccattc 1620
agggaaagat gggaagagtt agggnctccg ttttaggcag ccntgggtgg ga 1672
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<210> 1522

<211> 588

<212> DNA

<213> Homo sapiens

949

<400> 1522

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aggcgtatac caccatgact gaaaacaaaa gacttttttt tgagactccc tctcaaaaac 60
aaaacaaaac aaaaaaatta gacaaatgct acattaatgt ttgggtgggc agattctact 120
ttgaatctga agtttgcaga tatgcctata gatttttggg gtttaccact ttcttattct 180
gtatcattaa tgaatatatt taaattacta tatatgttac catttttctg gatttagtaa 240
gaaatttgca gttttgggtt gatgtaacaa gggttttaat gtaatttatg ttagattttg 300
catttttttc attactgtta tattttaacc tgactgactg atctaattgt attagtattg 360
tgaataatca tgtgaaatgt tttgagacag agtactatat ttgtgaatat aattttatgg 420
tttttttcac ttagaacctt tctgtgtgga aaactaagaa aattgctttc tgctgtataa 480
tctggcattc attgtagatt aaagcttatt tttctgtgaa taaaacgtat tcaataaaat 540
actattcttt aaaattawaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 588

```

<210> 1523

<211> 520

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (490)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (495)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (496)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (503)

<223> n equals a,t,g, or c

<400> 1523

```

cggcacgagg attttactga tactgcttat ctgttttaaaa ttcagataga aagtctgaat 60
gacaaattac aaaatgctaa agaacagctt cgagaaaaag agtttataat gctacaaaat 120
gaacaggaga taagtcaact gaaaaaagaa attgaaagaa cacawcaaag gatgaaagaa 180
atggasagtg ttatgaaaga gcaagaacag tacattgcca ctcaagtaca ggaggccata 240
gattttggggc aagaattgag gctgacccgg gagcaggtgc agaactctca tacagaattg 300
gcagaggctc gtcacagca agtccaagca cagagagaaa tagaaaggct ctctagttaa 360
ctggaggata tgaagcaact ctctaaagag aaagatgctc atggaaacca ttagctgaa 420
gaactggggg cttctaaagg acgtgaagct tatttagaag caagaatgca agcagaaatc 480
aagaaattgn cacannaagt agnaatctct tcaaagaagc 520

```

<210> 1524

<211> 2791

950

<212> DNA

<213> Homo sapiens

<400> 1524

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gtcacctgac acctcaccgg tccggaattc ccgggtcgac ccacgcgtcc gcccacgcgt 60
ccgtaatccg tggttttctg gagcatttca cagcctagga acatacaagg ggggcatctc 120
cctggaatgt aaattgacta agaggaattc aataatggtc aaatgaatgc agaatttttag 180
agtcttgctt agtattctca ccacatttcg tttartctac tcatactctt tttctcttac 240
tgctgacact agatggaaaa actcttaatt aaaagtattt cacaaaatgt gctcgttttc 300
agtcattccg tttccactcc agcctgttgt gttgtttttt tgaaataata atttaaagta 360
attttccttt tgcaggatgg catagtcaat ccaacaataa gaaaagattt gaaaactgga 420
ccgaaattct actgctgtcc aattgaaggc tgccccagag gccctgagag accgttttct 480
cagttttctc tcgtaaaaca gcactttatg aaaatgcatg ctgagaagaa gcacaaatgt 540
agtaagtgca gcaattcgtc cggtagacaa tgggacctga aaagacatgc agaggactgt 600
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cacatctacc gaactgggca cgagatacct gcagaacaca gggaccacc tagtaagaaa 720
aggaaaatgg aaaactgtgc acaaaaccag aagttatcca acaagaccat tgaatcattg 780
aacaaccaac caatccctag accagacact caagaactag aagcttcaga aataaagcta 840
gaaccatctt ttgaagactc ttgtggctct aacactgaca agcagactct tacaacacca 900
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tgtaggggaa attctaactt cttaggcctt gagatgtttg acacacagac acagacagac 2160
ttaaactttt tcttagacag tagccctcat ctgcctctgg gaagtattct gaaacactcc 2220
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gctaaaaata tacctgctct agaaagcaaa gttcagttga acagtacaga aacacagacc 2340
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gcaatggatg actttcttct ggctgatctg gcctggaaca cgatggagtc tcagttcagc 2460
tctgtagaaa cccagacttc tgcggaacca cacacagtct ccaacttcta aaactaacgg 2520
tggagtccat gtgtgaaatg gcatctacca tttctctggt attaaaacta cggactgggg 2580
acaacagtat taattcgatt gaatgtggct gatgatgcag ttgcttagct tctttgtgtt 2640
tctttgcctt ttgtacttgt aaacagaaat ttgctataa atgtgagtgt attataaagt 2700
ttgagatggt gatctaaatt gtttttgtgt tgccctacatt tgccctttca cagctagtct 2760
tttcatgtta aaaaaaaaaa aaaaaaaaaa a 2791

```

951

<210> 1525
<211> 687
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (686)
<223> n equals a,t,g, or c

<400> 1525
gggtcgaccc acgcgtccgc ccacgcgtct gccaaatact tgctyaaact atttgacatt 60
ttctatcttt gtgttaacag tggacacagc aaggcctttcc tacataagta taataatgtg 120
ggaatgattt gggttttaatt ataaactggg gtctaaatcc taaagcaaaa ttgaaactcc 180
argatgcaaa rtccagagtg gcatttttgc actygtgtct atgccttgat agctttccaa 240
aatgaaagtt acttgaggca gctcttgttg gtgaaaagtt wtttgtacag tagagtaaga 300
ttattagggg tatgtctata cracaaaagg gggggtcttt cctaaaaaag aaaacatgat 360
gcttcatttc tacttaatgg aacttgtgtt ctgaggggtca ttatgggtatc gtaatrtaaa 420
gcttggatga tgttcctgat tatctgagaa acagatatag aaaaattgtg ycggaactaa 480
ataattttcg ttgaacatgc tgccataact tagattattc ttgggttaaaa aataaaaagtc 540
acttatttct aattcttaaa gtttataata tatattaata tagctaaaaa tgtatgtaat 600
caataaaacc actcttatgt ttattaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 660
aaaaaaaaaa aaaaaaaaaa aaaaaana 687

<210> 1526
<211> 708
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (594)
<223> n equals a,t,g, or c

<400> 1526
ttcaccataa tagttctaata taaaatgggc cttgctgtag gagagacaaa ggggcttttc 60
ctctagctgg taactattca gatgatggac aagtcttctt tcataaaaaga ttacaaagaa 120
ggcatccgaa tcaactgtctg tgatactggg tcacatatta atcactgcag ctaattgtaa 180
atcttyctat gaaacactga aaagcctctt tgtgaattaa tacagtctctg cttgatgcac 240
ttgatattgaa aagacatttc tctgtatgtg gcgcagtgtcg gctttgcttt gaaaaataac 300
aaagtttagca gaatatgttc aatatatttt cttgggggaat aggggtttta ttacatgatt 360
cattaaggat ttgccttacc ctgacatttg tgatataaag gaaaatcaga aaaaaagtaa 420
ttttcttgat caagatatgt ttttacttaa tgcaataaaa tgtagtctgt tgcttgcaag 480
gaaaaaaaaa tggcttctga tatctggtat aaactgctaa ataggataat acgtgcctct 540
tttgttaaac cggcatttaa atgctggact gcttctaaat ctgtttgttt cttntcatct 600
gtgccataca ctaaaaaaca actgttgccct tcatactata tttgttagag cagaatacaa 660
ataaaatttg agaggatwat gtgaaaatta taattaaaag ggcgggccg 708

<210> 1527
<211> 618

952

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (84)

<223> n equals a,t,g, or c

<400> 1527

```

ttcacacaat atgggggcagc atgcttttgt gacttttaaaa tagatcaagg aacttttgct 60
tttgaagaga gaaatttcct tggnctgggtg acaagagcag tagatgtgcc caagagtaag 120
gatgtgtgtt gtccttgggt tagccactgt aggtttataa cctggtagga aattttcata 180
ggaagggccca aaaattcaag atgctcattt gcaagttgtc ttctaggggtg ttgcctgaac 240
ctaggctgca gtagaagtgg ggcttggagg taggcgatat tgaaatccca ggtaaatgct 300
aatctccatc tcagatccag gacaatgcag accagcttcc ttttgggaaa tggaggttct 360
tarttaatat gttctggctc ttacatttct gataccgcta ctggtgccaa cctaaatcag 420
cagcctagtt ctgagcagaa ggcagcagag gatggcaagg ttggagggtg gatagaagct 480
gtgggagttg ggtggctcct gtctgcacac tggacaaggg gcacctgag aaaaataatt 540
cttttaaaaa ttaaaaaaaa aataagctgt gggagttgag ggtttaattg cttggccact 600
tggccttctc ctctgtgcc                                     618

```

<210> 1528

<211> 1103

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1074)

<223> n equals a,t,g, or c

<400> 1528

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cgcacgcaa acgggtttgg aggacctct tgccttcgg agagcagagt caacacggag 60
agttttggga ctggaattaa ataaagacag agatgttgaa agaatccacg gcggtggaat 120
taacaccctt gacattgaac ctgttgaaagg gagatacatg ttatcaggtg gttcagatgg 180
tgtgattgta ctttatgacc ttgagaactc cagcagacaa tcttattaca catgtaaagc 240
agtgtgttcc attggcagag atcatcctga tgttcacaga tacagtgtgg agactgtaca 300
gtggtatcct catgacactg gcatgttcac atcaagctca tttgataaaa ctctgaaagt 360
atgggataca aatacattac aaactgcaga tgtatttaat tttgaggaaa cagtttatag 420
tcatcatatg tctccagtct ccaccaagca ctgtttggta gcagttggta ctagaggacc 480
caaagtacaa ctttgtgact tgaagtctgg atcctgttct cacattctac agggctcacag 540
acaagaaata ttagcagttt cctggctctc acgttatgac tatactcttg caacagcaag 600
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gaaagttaat ggcttatgtt ttacaagtga tggacttcac ctctcactg ttggtacaga 780
taatcgaatg aggctctgga atagttccaa tggagaaaac acacttgtga actatggaaa 840
agtttgtaat aacagtaaaa aaggattgaa attcactgtc tcctgtggct gcagttcaga 900
atltgttttt gtaccatatg gtagcaccat tgctgtttat acagtttact caggagaaca 960
gataactatg cttaagggac attataaaac tggtgactgc tgtgtatttc agtcaaattt 1020
ccaggtaact tatagtggta gcagagactg caacattctg gcttgggttc catncttata 1080
tgaaccagtt cctgatgatg gtg                                     1103

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953

<210> 1529
<211> 220
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<400> 1529
taaaaaaagn ggggttttaa cgggcccccc tttggggccc aaaggagggt tttaaccccc 60
cggggggggt tccccccggg ggggraaaaa attttttccc cccccccggg ggggggggtt 120
cccgggaaac ccccccccaa aaccggggcc cgggktttcc ccccgggggg ggggcctttc 180
ccaaaatttt tttttgcccc aaacnnttcc caaaaaattt 220

<210> 1530
<211> 438
<212> DNA
<213> Homo sapiens

<400> 1530
gaggggcggc gggctagtaa ccatagcggc tcgcgtgggt cggctggcaa gtaaccatag 60
cggcgagcgt ggggcggagt gtggctcggg agtcctctgc gtgccctcct gggagctggg 120
tgctgtgagt cctccccctag cgggctggtc tcggcgcgga gtccggcgccg aaccgagct 180
gctgctctgg ggcgtgtgcc tagggcgagc ggctggagcg cggggctgcg cggttgctcg 240
cgstccgctg aggtctctag gaaagggggc gatttgaggg ttccgcccgt accgcttcca 300
rcggcgagca cgcgcgctct ggaccagagc cgttgcccgc tgtctcgtca cccgaagcct 360
cctcctgacg ccgtgctagt gcgaggggtc ccaggggaat tcggggcaca agtcggggccg 420
gagcatccgg gcggccgc 438

<210> 1531
<211> 2062
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1022)
<223> n equals a,t,g, or c

<400> 1531
gccccagcgt ccgcccgaact cggagcccct cggcgggcgcc cggcccagga cccgcctagg 60
agcgaggag ccccgagcga gagaccccaa cgccgagacc cccgccccgg ccccgccgcg 120
cttcctcccg acgcaragca aaccgcccag agtagaarat ggattggggc acgctgcaga 180

954

```

cgatcctggg ggggtgtgaac aaacactcca ccagcattgg aaagatctgg ctcaccgtcc 240
tcttcatttt tcgcattatg atcctcgttg tggctgcaaa ggargtgtgg ggagatgarc 300
aggccgactt tgtctgcaac accctgcagc caggctgcaa gaacgtgtgc tacgatcact 360
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cgctcctagt ggccatgcac gtggcctacc ggagacatga gaagaagagg aagttcatca 480
agggggagat aaagagtga ttaaggaca tcgaggagat caaaacccag aagggtccgca 540
tcgaaggctc cctgtggtag acctacacaa gcagcatctt cttccgggtc atcttcgaag 600
ccgccttcat gtacgtcttc tatgtcatgt acgacggctt ctccatgcag cggctgggtga 660
agtgaacgc ctggccttgt cccaacactg tggactgctt tgtgtccggg cccacggaga 720
agactgtctt cacagtgttc atgattgcag tgtctggaat ttgcatcctg ctgaatgtca 780
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gcattgcccc gttgttagat taagaaatag acagcatgag agggatgagg caaccctgtc 900
tcagctgtca aggtcagtc gcyagcattt cccaacacaa agattctgac cttaaattgca 960
accattgaa acccctgtag gcctcagggt aaactccaga tgccacaatg gagctctgct 1020
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gttagttcca ctgagacccc aggtctgttag gggttattgg tgtaagggtac tttcatat 1140
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cacagaggac acagagaagg ttgggtgtc ctctgggggt tctttttgcc aactttcccc 1260
acgttaaagg tgaacattgg ttctttcatt tgctttggaa gttttaatct ctaacagtgg 1320
acaaagttac cagtgcctta aactctgtta cactttttgg aagtgaatac tttgtagtat 1380
gataggttat tttgatgtaa agatgttctg gataccatta tatgttcccc ctgtttcaga 1440
ggctcagatt gtaatatgta aatggtagt cattcgctac tatgatttaa tttgaaatat 1500
ggctcttttg ttatgaatac ttgtagcctc aatcgagtga gacagactag aagttcctag 1620
ggcatagca cctaacaaca ttgtagcctc aatcgagtga gacagactag aagttcctag 1620
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aagtttctgt cgttaaaaac agatttgtaa agactggact ctaaattctg ttgattaaag 1920
atgagctttg tctacttcaa aagtttgttt gcttaccctc tcagcctcca attttttaag 1980
tgaaatatac tataacagtg aaagatagaa gcyaaaggta gataatatga gcrtctakag 2040
gaagrattga aacccccctt tg 2062

```

<210> 1532

<211> 1158

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (161)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (339)

<223> n equals a,t,g, or c

<400> 1532

```

cccgcgcgag gcgaagtcgc tgagactctg cctgcttctc acccagctgc ctggcgctg 60
ccccggctgc tcgccgcccc tccctttgcc cttcacggcg cccggccctc cttgggctgc 120

```

955

```

ggcttctgtg cgaggctggg cagccagccc ttcccccttct ntttctcccc gteccctccc 180
cccgaccgta gcaccagagt cgcgggtcct gcagtgcctcc agaagccgca cgtataactc 240
cctcggcggg taactcattc gactgtggag ttctttttaat tcttatgaaa gatttcaaatt 300
cctctagaag ccaaaatggg acacagtata cagattcgna ttttacttct gaacgaaatg 360
gagaaactgg aaaagaccct cttcagactt gaacaagggt atgagctaca gttccgatta 420
ggcccaactt tacagggaaa agcagttacc gtgtatacaa attaccatt tctggagaaa 480
catttaatag agaaaaattc cgttctcagg attgggaaaa tccaacagaa agagaagatg 540
attctgataa atactgtaaa cttaatctgc aacaatcggg ttcatttcag tattattycc 600
ttcaaggaaa tgagaaaagk ggtggagktt acatagtgtg gsmccccatt ttacgtgttg 660
ktgctgataa tcatgtgcta cccttggaact gtgttactct wcagacattt ttagcwaagt 720
gtttgggacc ttttgatgaa tgggaaagca gacttagggg tgcaaaagaa tcaggctaca 780
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wtgttggaac gctagtggaa aaattaaaaa aggaatggat tgttttttgt attactgatg 960
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ttttctcctg tgatgttgca gaagggaat acaaagaaaa gggaatacct gctttgattg 1140
aaaatgatca ccatatga                                     1158

```

<210> 1533

<211> 576

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (536)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (565)

<223> n equals a,t,g, or c

<400> 1533

```

gggtgttcac tattgtgaat ttataatcctt aaaagttggg gatgctaaaa gtaccagact 60
aaaatamtac gaggttttct catcttttaa ttccattttg ttagaaaaaa atartcacia 120
ccgggggttct tttacctttc cccagccatc tagactgctt tactgcaatg ttgggaagat 180
tgcatacaat aaaaactgta gctagtgtgat tgggattttg gaaaattgaa tcaagcattt 240
gcattcatcc agaatgggtc taaactgctg actgtggggg gccacagga tgagcactgg 300
tggcatgggt gggaggaatt tccttggaata ctgcaattgc atttgaaaga tctattttcc 360
aaaacctgag cagagagagg ctaggaggaa tgcagacagg acattgaaaa tgccaattcc 420
ctttactagt agaacatgaa atatctgata aatggtttaa aaaaaataag tgccaggata 480
cattgtagta taaagggttca actagtataa tttaaaatga gtctttatat tcaggncagg 540
gtgcgggtggc tcacacctgt taatnccagg cactttt                                     576

```

<210> 1534

<211> 901

<212> DNA

<213> Homo sapiens

956

<400> 1534

```

gtgcgcgccg gtcctgcggc agctggccca agacccggag ccgaaaggaa gtgttgagc 60
ctgaggtcgc tccggccgct aggaggacgc tgtgcctggc ctgggacctc cgctcccgcc 120
caccgccctg gagccgctga gggacgtcca cgtgggcctg tccccgccga gccgcggccc 180
tgtccgctgg cgctgctctc gggccactac ctctactacc actacggctg cgacggcctg 240
gacgaccgcg gctggggytg cggctaccgc actctgcaga cgctgtgctc gtggccagag 300
ggccagcccc cgggcgtacc tggactggcc gccgtacagg cggccctgga ggacatgggc 360
gacaagcccc ccggcttccg gggctcccg gactggatcg gctgcgtgga ggccagcctc 420
tgcctcgctc acttcggagg gccccaggga cgcctctgcc acgtaccccc gggagtgggg 480
ctgcacgggg agstggagag gctttactcg cacttcgcag ggggtggggg cccagtcag 540
gttggggggg acscagatgc caggccaag gccttgctgg gartctgctg cgggtcaggc 600
acggaagcct atgtcctggg attggaccct cactactggg gcaactccaa aagccccagt 660
gaactacagg ctgctgggtg ggtgggctgg caagaggtga gtgcagcctt tgaccccaac 720
tccttctaca acctgtgctt gaccagcctt agctcccaac agcagcagcg caccttgga 780
tgaggacgaa gttacagaa tgagattctc gggccccaga cacgcaccta tgtacctccc 840
actggtgtcc ctgcaaagcc tggcgctttt gacatcaata ataaaagtgg cagggtgag 900
c 901

```

<210> 1535

<211> 1152

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (64)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1126)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1147)

<223> n equals a,t,g, or c

<400> 1535

```

caccncatt aagggancaa agctggtgct ccaccgcggt ggccggccgct ctagaactag 60
tggncccccc gggctgcagg aattcggcac gagctctttc aggcctttaat agatattcaa 120

```


957

```

gaattttatg aagtgacctt actggataat ccaaaatgta tagatcgttc aaagccgtct 180
gaaccaattc aacctgtgaa tacttggggag atttccagcc ttccaagctc tactgtgact 240
tcagagacac tgccaagcag ccttagccct agtgtagaga aatacaggta tcaggatgaa 300
gatacacctc ctcaagagca tatttcccca caaatcacaa atgaagtgat aggtccagaa 360
ttggttcatg tctcagagaa gaacttatca gagattgaga atgtccatgg atttgtttct 420
cattctcata ttccaccaat aaagccaaca gaagctgttc tccctctcc tccactgtc 480
cctgtgatec ctgtcctgcc agtccctgct gagaatactg kcatcctacc caccatacca 540
caggcaaata ctcccsagt actggtcaac acagatagct tggaaacacc aacttacgtt 600
aatggcacag atgcagatta tgaatatgaa gaaatcacac ttgaaagggg aaattcaggg 660
cttggtttca gcattgcagg aggtacggac aacccacaca ttggagatga ctcaagtatt 720
ttcattacca aaattatcac agggggagca gccgccaag atggaagatt gcgggtcaat 780
gactgtatat tacgagtaaa tgaagtagat gttcgtgatg taacacatag caaagcagtt 840
gaagcgttga aagaagcagg gtctaytgta cgcttgatg taaaaagaag gaaaccagt 900
tcagaaaaaa taatggaaat aaagctcatt aaagtccta aaggtcttgg gtttagmatt 960
gctggagggtg ttggaaatca gcatattsct ggggataata gcatttatgt aaccrraata 1020
attgaaggag gtgcagcaca taaggatggc aaacttcaga ttggagataa acttttagca 1080
gtgaataacg tatgtttaga agaagttact catgaagaag cagtantctgc cttaaagagc 1140
acatctnatt tt 1152

```

<210> 1536

<211> 1532

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (214)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (231)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (260)

<223> n equals a,t,g, or c

<400> 1536

```

gaagaggacc tcgatactgt cctccattg aatcaaaagt tttgcgtttt ccaaaccgtc 60
tacatcaggt ttggttgga cctgaaggaa tggattctga cttatctac ccacaggggt 120
tatctatgac gctaccagct gagttacaag agaaaatgat cacatgcac agaggcttgg 180
agaaagctaa agtgattcag ccaggctacg gtgntcagta tgattactta natccccgtc 240
agatcacccc ttccctggan actcatttgg ttcaacgact cttctttgct ggacagatca 300
atggcaccac tggttatgag gaagctgcag ctcaaggtgt gatagccgga atcaacgcca 360
tcttcgggtc agtcgcaagc ctcccttgtt ggtagccga acagaaggtt acataggagt 420
cttgattgat gacctacta ctctgggcac caktgaacca taccgatgt ttaccagccg 480
agtagagttc cgtttgtcac tgcgcctga taatgctgac agccggctca cactgagagg 540
gtataaagac gctggctgtg tgtcccaaca acgatatgaa agagcttgtt ggatgaagtc 600
ttcttttagaa gaaggcattt ctgtgttgaa atctattgag tttttgagct ctaaatggaa 660

```

958

```

aaaattaatc ccagagggtt ctataagtac tagtagaagt ctgcctgtca gagctctcga 720
tggtctgaag tatgaggaag ttgacatgga ttcattagcc aaggctgttc cagagccctt 780
gaagaagtat actaaatgta gagagctggc tgaaagactg aaaatagaag ccacttatga 840
atcagtgttg ttccatcaac tacaagaaat aaagggagtt cagcaagatg aagctctcca 900
actgccaaaa gacctagatt atttgactat cagggatgtg tctttgtccc atgaagttcg 960
agagaaacta catttttagtc gtccacagac gatcggggct gctagtgcga taccggaggt 1020
aacacctgcc gccatcatca atctgctgag atttgtgaag accactcaac gaagacagtc 1080
ggctatgaat gaatcatcca agactgatca atacttatgt gatgcagaca gacttcaaga 1140
gagagagtta tagctttcaa ttcataaaaag atttttaaag agcatataaa taatttgatc 1200
aatacaacag tatagataaa agaattattht agcacatgtt aaaatagctt tattaggtta 1260
ctatggggtt gccattaatt tctgagtggg acagaaatta taattgtgct ttttcgtgta 1320
tatgaaaaaa ctagtcgtaa acaatttgta ctctttcttt aaggagctgt aatacaata 1380
actttgtgca gtgttcatca aagagagaga cagtgaacct aaaactgaac ctggaataaa 1440
actcaacatg cagatttgcc tactcatagg gactttgcct attaagtcta ccaaattaaa 1500
agtcttatca ttcaaaaaaa aaaaaaaaaa aa 1532

```

<210> 1537

<211> 482

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (440)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (469)

<223> n equals a,t,g, or c

<400> 1537

```

cttgggtatc ggctattgcc tgagtgtgct agagtcctcg aagagtaact gctgacctta 60
ttcactggct gtgggcctta tggcacagtc agtcaccagg ttagagacat gcttcacatt 120
cacctaccca caaactagtg gatgataaat tttggctatt cagaagacgt ttattatagg 180
agtatgtaga ttttccatag agtgctgtta tgtgacttga attttagtct cgccctgcc 240
tctgacattg tcggtgggtt atcctgggtc caggaaataa gactagcctt ttcctcatga 300
tagtctttgg tgggtttttaa aacagttggt taagtcaaca gatgtatcat atgcctgaca 360
ctgctctaca ccagtgaata atttacactc taataggggg tggttaactat aaagatgata 420
aacatagcat cttaattggn gtgtgtatga aggtggttgt tacctcttnc tagccacca 480
gg 482

```

<210> 1538

<211> 723

<212> DNA

<213> Homo sapiens

<400> 1538

```

gagaccggaa atatgaaagg ataagttcag gatgtattcg ttccaagtcc ctttctctgc 60
aaatgcgcca cagcaagtat tggaagggcc ccccggcagc cagtccggcc atgtctccca 120
caacctgtgt ggtcactgga gccacttccc tgcccacgac agcacctat gccatgcctg 180

```

959

```

agttccagcg ggtcaccatc agcggagatt actgtgccgg gatcactttg gaggactatg 240
agcaggcagc caagagtctg ccaaggccct aatgatccgg gagaagtatg cgggctcgcc 300
taccacacct cccgcggatc acatcccagt acctgggtca tcgcgggcgg atactgcacc 360
tccggaagag ggccttccag acttccaccc tcttccactg cccaggaag acccctactg 420
cctggatgat gaccccccca acctggatta cttgggtccac atgcaggggg gcatectctt 480
tgtgtatgat aacaagaaga tgctggagca ccaggagccg cacagcctac cctaccccca 540
cctggagacc tacacggtgg acatgagcca catcctgggt ctcacaccg atggcccccac 600
gaaaacctat tgtcaccggc gactgaactt tctggaatcc aagttcagcc ttcatgagat 660
gttaaacgaa atgtccgagt tcaaagagtt gaagagtaac cccaccggg acttctataa 720
cgt

```

<210> 1539

<211> 937

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (548)

<223> n equals a,t,g, or c

<400> 1539

```

taataatgtg tagagctaaa ggaagcagtg gagacaacct gaagtagaag tgtttcacag 60
agaatgctaa tttctggagc ctgagccact actttttttt tttttaaaca gatagaacag 120
acttagcttt ctgaagagct ttaaaaaactc ttgatgcctg tgcctgttac tacagaatgc 180
tctgctgtct gccttttagag tgtagaaatc ctagttagac tagtattctg gctacttctg 240
tagtctaaac atttacttct tgaggggctt ggggcattta ttcagagcca aggctctggg 300
tcattaagga taagaggaat ggaataatta aagacatcgg tcatcaacta attcccattc 360
ctccttttct tgctccttgt ttcctcagct gtaaaatcac aatgattctg atacccactc 420
ttataatatt gctctgagga ttaaatttgg taatcaacat aaagcactga tcacattgcc 480
cagtgcatag taagcgctct aaatatctgc tattttttatc atgtagtgtt ggttgaaatt 540
ggttttgngt tctccactct tagtttaaaa aatagtatga gtcgaatgtt tcatattgcc 600
ctgtctcagg ggaaaaaaaa aattgctttt tgcatagctc tcagttgatt cccactcact 660
atgatggcta tatagaacac aagttctcta ccatttctgc agtattttta aaattccttt 720
aaaaaaaaaa atatttattg tgggacaaaa tattatatgc ttacttagaa tattgggaag 780
atggtaaaaga atacaaagaa aaaaacaatt gtacccctca ttctagacac aacttgctgt 840
tcacgtcttt ggggtgtatt tccattccta ctagatggaa ccatttatat gtttacctaa 900
ttcggatcat gttgcataca gttttgttcc cttcaaa

```

<210> 1540

<211> 371

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (67)

<223> n equals a,t,g, or c

<220>

<221> misc feature

960

<222> (148)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (284)

<223> n equals a,t,g, or c

<400> 1540

```
ggcgcgtggcc accaagcccg ggcgcagttt ctctccgccc acggcaggag cgaaggaagg 60
ccctggngcg agcgggtaaa ctgcccaccg ggcgggccac ccgctgcgcc cccggcccgc 120
aagaggcagt cccaataggt tggcccgnet ggccgaagtc cgcccggagc ccgctcacct 180
gtcagccccc actgccgaca gggacactaa cagggtgaaga tctcgggaga ccatgactaa 240
gaaaagaatt gctgtgattg ggggaggagt gagcggctct cttncatcaa gtgctgcgta 300
gaagaaggct tgggaacctg tctgctttga aaggactgat gacatcgaa gggctctgga 360
ggttccaggg a 371
```

<210> 1541

<211> 906

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (242)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (358)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (364)

<223> n equals a,t,g, or c

<400> 1541

```
accaacctca cttaaaggac aaaagctgga gctccaccgc ggtggcggcc gctctagaac 60
tagtggatcc cccgggctgc aggcggagtg gggccctgca gcttccccgg gaggaaggag 120
acaggctcga ggatgtcttg cagtggatgc tggagagtga gcggcagagc aagcccaagc 180
cccatagtgc ccaaagcaca aaaaaggcct accccttgga gtctgcccgc tcgtctccag 240
gngaacgagc cagccggcac catctgtggg ggggcaacag cgggcacccc cgcaccaccc 300
cccgtagcca cctgttcacc caggaccctg cgatgcctcc cctgacccca cccaacangc 360
tggnttcagc tggaggaggm ctgtcgcagg ctagctgagg tgtcgaagcc cccaaagcag 420
cggtgctgtg tggccagtca gcagagggac aggaatcatt cggccactgt tcagacggga 480
gccacamcct tctccaatcc aagcctggct ccagaagatc acaaagagcc aaagaaactg 540
gcagggtgtcc acgcgctcca ggccagttag ttggttgtca cttacttttt ctgtggggaa 600
gaaattccat accggaggat gctgaaggct cagagcttga ccctgggcca ctttaaagag 660
cagctcagca aaaagggaaa ttataggtat tacttcaaaa aagcaagcga tgagtttgcc 720
tgtggagcgg tgtttgagga gatctgggag gatgagacgg tgctccccgat gtatgaaggc 780
```

961

cggattcttg gcaaagtgga gcggatcgat tgagccctgg ggtctggctt tggatgaactg 840
ttggagcccg aagctcttgt gaactgtctt ggctgtgagc aactgacgaca aaacattttg 900
aaggaa 906

<210> 1542

<211> 979

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (61)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (735)

<223> n equals a,t,g, or c

<400> 1542

aatgaacaag ctgaatgagc tagagaaaat atgtgaaata ctgcaggctg aaaagtatga 60
nctcgttaact gagctgaatg attcaaggctc agaatgtatc acagcaacta ggaaaatggc 120
agaagaggta gggaaaactac taaatgaagt taaaatatta aatgatgaca gtggtcttct 180
ccatgggtgag ttagtggaag acataccagg aggtgaattt ggtgaacaac caaatgaaca 240
gcaccctgtg tctttggctc cattggacga gagtaattcc tacgagcact tgacattgtc 300
agacaaaagaa gttcaaatgc actttgccga attgcaagwg aaattctmmt ctttacaag 360
tgaacacaaa attttacatg atcagcactg tcagatgagc tctaaaatgt cagagctgca 420
gacctatgtt gactcattaa aggccgaaaa tttggtcttg tcaacgaatc tgagaaactt 480
tcaagggtgac ttggtgaagg agatgcagct gggcttgag gaggggctcg ttccatccct 540
gtcatcctct tgtgtgcctg acagctctag tcttagcagt ttgggagact cctcctttta 600
cagagctctt ttagaacaga caggagatat gtctcttttg agtaatttag aaggggctgt 660
ttcagcaaac cagtgcagt tagatgaagt attttgcagc agtctgcagg aggagaatct 720
gaccaggaaa gaaanccctt cggccccagc gaagggtgtt gaagagcttg agtccctctg 780
tgagggtgtac cggcagtcctc tcgagaagct agaagagaaa atggaaagtc aagggattat 840
gaaaaataag gaaattcaag agctcgagca gttattaagt tctgaaggca agagcttgac 900
tgccttagga gcagtatttg tcagacatga cagtggcaca gagctgacag cgtgactctg 960
agatgagtcc agttggcgc 979

<210> 1543

<211> 301

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (296)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (299)

962

<223> n equals a,t,g, or c

<400> 1543

```

gccccactgg gaaaagaagt gtatccgtct tgctcttmaa accagggagc aacacattcg 60
gagagacaag gctaccagca acatctgtac agctcaggcc ctcttggcga atatggctgc 120
catgtttgca atctaccatg gttcccatgg gctggrgcat attgcctagg agggtagata 180
atgccacttt gattttgtca gaagggtctca agcgagcagg gcatcaactc cagcatgacc 240
tgttctttga taccttgaag attcagtgtg gctgctcagt gaaggaggtc ttgggncang 300
c                                                                 301

```

<210> 1544

<211> 652

<212> DNA

<213> Homo sapiens

<400> 1544

```

ccaaataaat ttgactgatg ccaaaactga agctgccaat gtaatgaaat gttaaggtgg 60
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agttcctctc ctcatcataa caaggcgatt caaacctaaa ctgtgattct taggagatgc 480
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attttccatc tgtcagagca tgtctgaata aaaatttgaa cctactacaa actacattag 600
aataattttc aagtattttt ctgtcacaaa aatgggtgtga cagaatgtgt tg 652

```

<210> 1545

<211> 2236

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2215)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2223)

<223> n equals a,t,g, or c

<400> 1545

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atgaagaaca tgacctcaag gagcttcctg tcaatgagaa gaccaagctg acgcctggca 180
aagatattaa agaggagcct gaaactgttc cttggacatc ttatgaatgt cagaaaaatac 240
cttttggagg gttagaagat caggggacat ggttggtcac atttgctgcc acggaacacc 300
gccagtcttc acttggaaac agaatcacgc cttgtgaaga gatcatccct aagcaggaga 360
gaagctacta aaggattgtg tctcctcca ccttcctgtg gctcggtctc cacctgtctc 420

```

963

```

ccattctgtg acgatgggtc aatggaagag actctgccag ctgcattact tgtgggctct 480
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ctctgaccac ttgggtcttg agtccaggga atctcaaagc cagtactgta ggaatatctt 600
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gcctttcaca gacacccact acctctccct caccagagac tgtgagcact tcaaggctga 780
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ttcctaataa ttccagggtt ggtagcgtgg aggagaactt tgatggaaag agaaccttc 2160
cttctgtact gttaacttaa aaataaatag ctctgattc aaagtaaaaa aaaanaaaaa 2220
aanaaaaaaa actcga 2236

```

<210> 1546

<211> 356

<212> DNA

<213> Homo sapiens

<400> 1546

```

ggataatect ctctccctgt tccccctcatt tggctgctcc agaccctgag aaacttctac 60
ctgtcccatg ccagctgagg gtgtctgagg agctgacatc aaccccatgg atctcctgaa 120
ctgtgctgga aggtagagac aggcaggagg gcttcccatg ggtcasgaga acctgacccc 180
acaaatcaac tgatcttcaa gagacaggat ggagggaggg atcattctag agaacctgc 240
tccttgttcc tccctgtggc aaaatctggc gccaggaaga gtttgagtgt gtaggcgtgt 300
gtgtgcagggt gtaagtgtgc aggcacgtgt gtgcagggtg gtatgtacag ccgtgt 356

```

<210> 1547

<211> 1172

<212> DNA

<213> Homo sapiens

<220>

964

<221> misc feature

<222> (778)

<223> n equals a,t,g, or c

<400> 1547

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caaggccttc agatctaacg cagatgcata gacctgtgtc ctggtacttg ttcagcctgt 120
gctgggggagc cgtgggtccc agttccctgg gaggtgaca ggggtcaagcc accctgccc 180
ccacctccc acttcccctc ccctttcctc tccagcatta ggattcaagg gaaatctgca 240
tgaagccaat tttgagggtg gacgtgtggg gaaaataaat cattatacag taagacctgg 300
ggcttgaggg gtgggggaatg gggaggggaag ggcatagcct gtcctccat gagtctgaca 360
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acccatgtcc caggaaccgc gctgcgccac ctgcactcac cccctcaca ttctcttaag 600
caccgggtgg ccctccgagg cctggcgga tgggtgtggt cagggggttg ggcaagggtc 660
caccaggacc tcaacgggca aagttgtgca cactaaaata tcaaatcaag gtgcttggtt 720
ttaaagtaaa tgtttttctt aagaaagctg tgttcttctg ttgaccaga cgaatagn 780
acagccctgt aactgcacgt gccttctgtc attgggaatg aaataaatta ttacgagaaa 840
gggacttgct ctaactgggt tgaggcctta cagttttgka tctacatttt tcccctctg 900
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tgataccttg aaaagcttct atgtgtctct cctttgtgtg cctggcagct gtctaggatg 1080
atcactgatt actatttact aagtagccac atgcaaataa aagttgtttg gtaaaatgga 1140
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aa 1172

```

<210> 1548

<211> 1423

<212> DNA

<213> Homo sapiens

<400> 1548

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tgctttttct gtgagctatt tgttttggtt tgctgaaact agtccaaaac aggaaattta 60
acagacagcc acagccaaag agtgtcatgt gaattacaag aaatagagcc catttaggga 120
aagatagaac tagaaaggct tttcattata attccatgtt gaacaattga gtcatagctt 180
cttatctygg gaggaaggac acaattcaaa ggggcagtaa ggattttgta aaacgtggca 240
tccataattt actatggagc aagtgccac atctctagga catlaagaca tttatgagaa 300
atctcaggat tcatcttctg tttttatgtt aaatgcactc cctccttttc agttaacatt 360
ataaaaagta aaaaatgaaa attttagaaa tcttgcatga gacacatgaa aaaataacta 420
aaagtttaaa tttaaatatg aaacaatttt gctgaaaata gtatccatat actatttaag 480
tcttttatgg tttttcaag tatacaattt ctatctgtaa tgtaatatat taccacaca 540
tttttttcac aggagagaga gaatatcctc atttggttat gctcatgtgt attttctata 600
gtgaatttca gaaactttta atatcaggta atttcaattt atgcctataa agcattgatt 660
gaaaaataac tagaattgtg catatataac acataatctc caacagaagt tactgaatac 720
attcatacta atgtaatgta atttcccttt atttcttgct cttctgtttc aaactgctgc 780
tattgtagtt tacatatccc aacctttaaa aatatcctc ttattagctt tatattcact 840
ttatagaagt tgagttttta ttaaaattct tggcatcctg aagtatgtca catagcatgt 900
gtccttata aatatgttga tatctcagaa gacagcatcc cggttttcat tttataaagt 960
accatactta agaatgctgt aatacttata ttttataaca tgtttccttc gctttgcttg 1020
tcttttatgt catcagtttt aactgtttac ttcatttaac agtttacatc attcaacagt 1080
ttacttcatt aaacagtagg tggaaaaata gatgccagtc tatgaaaatc tccccatcta 1140

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965

```
tatcaaaaata cttttcaagg atatactttt caaaacaaac gatttaaatt ttatgkttaa 1200
aatataaaact ttagatttaa actttattta aatatctggt tcctatgatt ttgacttcag 1260
taagktcaaa taaaatatat tttgcaattc atttttacat tataatttaa aaagaagaag 1320
cgataagtgg agtcagtttc aatgctaggt ggggtggtta atgatttttc tgggtgttgct 1380
gctaattgtg attaacaat aaaaacattc attgcctttt aaa 1423
```

<210> 1549

<211> 457

<212> DNA

<213> Homo sapiens

<400> 1549

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ggttctggag ctggaccagg aggagctgca gctgggccgg ggcggagcgc cgcgccgcgc 60
cagggccgcg aggaggggcg tgttgctgct ggcccaccgc gageccgccc cagcccgcgc 120
cgaggcgcct tcccgccagg ccgcctgcct tccgcctctt tccatttccc cggaatctca 180
gcccggcgcg cctggacccc tgcccctctc tgggtggaga agctcccggc cgcttccggt 240
ttcactcctt ctcagcctgg gctcccagcc cctctctctc ttttcctgga ctggtctctca 300
cccccttcgg tccccttctt ttagctcagg ctccctaccc ctctctttag cccacaagcc 360
cagaagtcce aagcttctca gtcactttcc tyagccaaag gtcccagcct tccttcttcc 420
tttcttttgc actatcccta tcctgccctt tctctat 457
```

<210> 1550

<211> 977

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (219)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (230)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (236)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

<400> 1550

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cacaactgca catcaaagt ttgctgacat tggatctgtg ctgtcttcca gttgtgccat 120
cctattttac tccttaagaa atgaggaaat tcctatttgg gggcatcaac tctccctcga 180
gaaaaacaaa gctgctaagt aagattccac ctagaaaang gggaaagctn tttccnggga 240
```

966

```

acaccattta tacccccaca caaaataata gcatgagctg tgtttttagag gagatagggt 300
gccaaaccaa attcactcct ctcagatgat agtaaagatc aaaagnattc gaagggagtt 360
ggtaaacgct ggtgtggtac atgtggcttt sctcactcat gtggatagca tggattttga 420
ttacaaaagg tgacctatag aaatagagag atgtgagcct gtgaggcca agctagagga 480
agtccaaaga aaacttggat ttgctctttc tgacatctcg gtggttagca attattcctc 540
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atgggctgca gatgacttct tagaggattt gccttttgag caaataggga atctaaggga 660
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aagaccaaag ggatgtgttt tattaatgtc taggatgaag aaatgcatag aacattgtag 840
tacttgtaaa taactagaaa taacatgatt tagtcataat tgtgaaaaat aataataatt 900
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aaaaaaaaa aaaaaaa 977

```

<210> 1551

<211> 2540

<212> DNA

<213> Homo sapiens

<400> 1551

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ttggtcccca gaggcacacc ccttgatctg tggacctcca ggccctggaca agaggctgct 120
accagaaacc ccaggccctt gttactcaaa ttcacagcca gtgtgggtgt gcctgaytcc 180
tcgccagccc ctggaaccac atccacctgg ggaggggctt tctgaatgga gttctgacac 240
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gaggaggaac tcgaggagct gtgtgaacag gctgtgtgag atgttcaggc ctagctccaa 360
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gactggtgat ggtggagggt gagagggtgc cgtttcctgc tccagctcca gaccttgtct 540
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caagccctcat gttcatacca gccagtgggt tcagcagaac gcatgacacc ttatcacctc 780
cctccttggg tgagctctga acaccagctt tggccctcc acagtaaggc tgctacatca 840
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967

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ttcacttcac acattatcat acttcagtga ctcagacctt gggcaaatac tctgtgcctc 1920
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tagagtgtag aaaatatgtt ccaaagtgga aagttttatt cagtgataga aaacatccaa 2040
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```

<210> 1552

<211> 608

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (565)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (570)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (605)

<223> n equals a,t,g, or c

<400> 1552

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aattgcactt cttgtaaaga gtgagaaaaa aaatcaaagg cgctttgaaa caggggctct 120
ctgtgcaagg atgactaagt gtacgtcttt ccgtgtgtgt atgctggtga acagtcagat 180
ttattttatat ttttttgcaa gcattgaata atctaagttt taaatattat ttatcccat 240
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tttgttcmat tgtgtattgg cgtacttaga atttttttta tttgaaagag aaatataatt 360
cctttaaacy gtaacgatgc aataaaacca gagaagatcc agcttttgaa aacagtgatt 420
taggtttgta acatccggca aaactgaaaa aaaaaatctg taaacgcgaa aaatactaga 480
tttgttttga gagttcttca ttctttgctg ctcacattct gagaaacaaa aagaaataaa 540
gtttttattc tgaataatat ccgtnttaan aaggggttct ttggccgaag acgtgggtct 600
gcgtngaa 608

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968

<210> 1553
 <211> 784
 <212> DNA
 <213> Homo sapiens

<400> 1553
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 ggacccctcc ccagggccac acctggcaga aggtggctta tgatgttcgc agcttgaaag 180
 tagtgtaaac caaagataaa attctaagcc cactccccc gccatcggaa tggacccctc 240
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 tggagtggac atgcctcatt tatgtcctcc tcccttttgg aattcagcaa agctgaccag 360
 catgaacatt aacacagacc ttaagtctga ttagtggcat ttacaatcta tactctctga 420
 agcgtgctac ctggagtctt cctttgcatg ataaaacttt ggtctccaca accccttatt 480
 ataacctaga cactcctttc tagtgataat aactctttca accaattgcc aataaaaaaa 540
 ttttgaatct acctataacc tggaaacctcc ccgtccacc ttcgagttgt cctacctttc 600
 tggacagaag caatgtggat cttgcatgta tttgattgat gtctcatgtc tccctaaaat 660
 gtatacaatt aggcgtgtgcc cagatcacc tgggcacatg ttctcaggcc ctctgaggt 720
 ctctgtctcg ggccattggt cactcagatt cggctcagaa taaatctctt caaatattaa 780
 aaaa 784

<210> 1554
 <211> 1931
 <212> DNA
 <213> Homo sapiens

<400> 1554
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 agatgtcggc ggcgtgttgg gaggaaccgt ggggtcttcc cggcggcttt gcgaagsggg 180
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 actgggaaca atataagttt ccagttgtca tcacaagaag cagtaatgtt tatggaccac 720
 atcaatatcc agaaaagggt attccaaaat ttatatcttt gctacagcac aacaggaaat 780
 gttgcattca tgggtcaggg cttcaaacaa gaaacttctt ttatgtact gatgtttag 840
 aagcatttct cactgtcctc aaaaaaggga aaccagggtga aattttataac atcggaacca 900
 attttgaaat gtcagttgtc cagcttgcca aagaactaat acaactgatc aaagagacca 960
 attcagagtc tgaaatggaa aattgggttg attatgttaa tgatagacct accaatgaca 1020
 tgagataccc aatgaagtca gaaaaaatat atggcttagg atggagacct aaagtgcctt 1080
 ggaaagaagg aataaagaaa acaattgaat ggtacagaga gaattttcac aactggaaga 1140
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 tgccatcaatc tttgggagag tttcagtact ggcatagaat ttaaatgtca aaattctttc 1380
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969

```

gccaggaaga agtctcctga ttcggacaac catgaggggt agtgggtgcta gggagaaggc 1500
aaccttcaact ggttttgaac tcagtgccta agaaagtctc tgaaatgttc gtttttaggc 1560
aatataggat gtcttaggcc ctaattcacc atttcttttt taagatctga tatgctatca 1620
ttgccttaat aatggaacaa aatagaagca tatctaacac tttttaaaatt gataattttg 1680
taaaattgat tacgttgaat gctttttaag agaagtgtgt aaagttttta tattttcaca 1740
attaacgtat gtaaaacctt gtatcagaaa tttatcatgt ttactgttta aaatgattgt 1800
atttataaaa ttgtcaatat cttaatgtat ttaatgtaga atattgcttt ttaaaataat 1860
gtttttatatt tgctgtagaa aaataaaaaa aaatttgatt ataaaaaaa aaaaaaaaaa 1920
aaaaaaaaa a 1931

```

<210> 1555

<211> 394

<212> DNA

<213> Homo sapiens

<400> 1555

```

agcatttctt ctgagttgtg cttgctgaac tcaaatacta ggtgatttgg taatgcgcct 60
aaagagcatg gggctcctcc tgccaattat aagcaaagac atcacatttg gagtttggca 120
agatcagaat atctcaggtt gagcacctgc tgaatgctag gatttgtgtc atgcatttta 180
aatctatatt taatctttat tacagtctta taatagggat tatgacacca gaacagagac 240
agctgtctta agattwcaag ggggtgctagc tgaagaaaac agagaggaaa gttgggaaga 300
agctggatcc ttgataacag ctgagccatg gacttaacca gtcttagatg agcgatacct 360
caccttcaga tttcatgtca taccacctga aata 394

```

<210> 1556

<211> 346

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (312)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (314)

<223> n equals a,t,g, or c

<400> 1556

```

tgggacatgt cgggtgaaccc gaatgcctag taaggcagct ctgatggagg aagccaagct 60
gatggcatct ctctggcact tggcagcgat ggccttcatt acttacgtgc tcctggctgg 120
gatggcactg ggcattcaga aaaggtcagt gccaagcccc tcccttaacc tccccctcct 180
gtgagctctt ctcccaacct ccctagggca tatgtggtgg tccccagetc accctctgtt 240
gccccagtct ctcttctcct cccctgcttc aggatgcctg gctctgagcc acccctgctt 300
tggcgcaggt tntnccccga ggtgctgggc ctgtgtgcaa gcacag 346

```

<210> 1557

<211> 1577

<212> DNA

<213> Homo sapiens

970

<400> 1557

```
cctccaagat ggccaccttt tttgcamagg cktwcccat cmaggggggtc acagcccatt 60
caggtttgas cytgcwtggc ccmagctccy tcagtccttg cctggcaagt cctccatkgg 120
cacaacmasm ttgcctggtt ggaattttca gcttttctcg agcagcagcg agaccagac 180
tcgtacaaca aacacctctt cgtgcacatt gggcatgcc aaccattctta cagtgaacca 240
ttgcttgaat cagtggacat tcgtcagatt tatgacaaat ttcttgaaaa gaaagggtggc 300
ttaaaggaac tgtttggaac gggccctcaa aatgccytct tcctcgtaaa attctgggct 360
gattttaaact gcaatattca agatgatgct ggggcttttt atggtgtaac cagtcagtac 420
gagagttctg aaaatatgac agtcacctgt tccaccaaag tttgctcctt tgggaagcaa 480
gtagtagwaa aagtagagac ggagtatgca aggtttgaga atgscgatt tgtataccga 540
ataraccgct cccaatgtg tgaatatatg atcaacttca tccacaagct caaacactta 600
ccagagaaat atatgatgaa cagtgttttg gaaamcttca caatyttatt gstggtaaca 660
amcagggata cacamgawac tctactctgc atggcctgtg tgtttgaagt ttcaaamgt 720
gaacmcggag cacaacatca tatttacagg ctgtgaaagg actgaacatg gttatttata 780
tatatagata tctgtatata cacacacaca tatgtgcaca cacacactct ctctccatta 840
tcgaacgact gactgtaaac ctcaccacac aggggtggtgc cctggccccg aggtcaccct 900
gacttttcta aatcttgttt gagtgaagtc attttttcat gtgttcatac tatcattgta 960
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gatgtgcmgc ccacaattcc tcgggaaagg tgaacctgaa caaccgaagt ctctctctgc 1080
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agaaatgctt ggtagaagtg tcctaattgag acaaatttgt acttttatcc tcaaggttaa 1440
cactaatctc ctaatccatt aaactcttga acaggtatta caaaggaaga aaacttcacc 1500
ccttatcctt aacatatata gtatatttta aaaatataaa attgtattgt actaatgtga 1560
tgatggatta tttaatg 1577
```

<210> 1558

<211> 278

<212> DNA

<213> Homo sapiens

<400> 1558

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gggcagacct gcgagagcag agggggcttc ggcaggcaac cgaccaccag gagctggtgg 60
aaatccccac caggccgctg ctgaccaagc tgagcctgat cacagcccca cggcggggag 120
agagggcgcc cgtccctcta cgtgcagggg gacatagtac aggagacaca gcgtgaggta 180
agaccaccgg cggggagggc ctgcacgtgg gccgggtgtc cacaccgat tgggtcttctg 240
gagggttccc cagcccgga tttcgagga gcccttca 278
```

<210> 1559

<211> 751

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

971

<220>

<221> misc feature

<222> (565)

<223> n equals a,t,g, or c

<400> 1559

```
ntttgttcct gtcacctggg ttcactcttgt tgtgaagcac attaggtcca ggtccttccc 60
tctgggagtc tgactgtgaa actctttaac ccaacaactc aattagcccc ttagataag 120
acatgcttcc cagagtgaga tttttgaaat ccccttttca tccagaacta tatttaccce 180
cctattgtaa ctattcarat agagcaaaat taggaggctt gataaatact aagaatttag 240
taccacagaa attatttatt attttccctg tagtccacaa ttagtgataa cgaatcctat 300
ttttgttaac tgtgacataa ctttgatgtc atatgttggt ctatgtgggt cttcctaagt 360
aaactctgta ctgattatat actgacttag caatgtggcc ttggaatgct gagcaaaatg 420
tggatgtact gggtgttaaa gtttatatat tgtacagtac ctttatatat acacttgagg 480
ttctgattag agaaagatct gtaaattgct cattattttt tatatagata tttaaaaaaa 540
acagtttatg gcctgcattt ctttnactgt cacattgggt taatgttggt ttctaattgg 600
ggagctaggt cccatcatag tctgagtcct caaatagatt ttgtccctcc aagtaacaaa 660
ctttcaaagt cctaaaatca ggaagagtct tataataatg attttacctc tataggtata 720
cttttattta tttataaata gagtttgaaa t 751
```

<210> 1560

<211> 1938

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

<400> 1560

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tcgacccacg cgctccrgcg taaccgccac agctgccagc gacaggatgg agagcgactc 120
agactcagac aagagtagcg acaacagtgg cctgaagagg aagacgcctg cgctaaagat 180
gtcgggtctcg aaacgagccc gaaaggcctc cagcgacctg gatcaggcca gcgtgtcccc 240
atccgaagag gagaactcgg aaagctcatc tgagtcggag aagaccagcg accaggactt 300
cacacctgag aagaaaagcag cggtcggggc gccacggagg ggccctctgg ggggacggaa 360
aaaaaagaag gcgcccgcag cctccgactc cgactccaag gccgattcgg acggggccaa 420
gcctgagccg gtggccatgg cgcgggtcggc gtccctctcc tcctcttctc cctcctctcc 480
cgactccgat gtgtctgtga agaagcctcc gaggggagcg aagccagcgg agaagcctct 540
```

972

```

cccgaagccg cgagggcgga aaccgaagcc tgaacggcct ccgtccagct ccagcagtga 600
cagtgcagac gacgaggtgg accgcatcag tgagtgggaag cggcgggacg aggcgcggag 660
gcgcgagctg gaggcccggc ggcggcgaga gcaggaggag gagctgcggc gcctgcggga 720
gcaggagaag gaggagaagg agcggaggcg cgagcgggccc gaccgcgggg aggctgagcg 780
gggcagcggc ggcagcagcg gggacgagct caggaggagac gatgagcccg tcaagaagcg 840
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gctggagaga gaggccaaga aatcagcgaa gaagccgcag tcctcaagca cagagcccgc 960
caggaaacct ggccagaagg agaagagagt gcggcccag gagaaagcaac aagccaagcc 1020
cgtgaagggtg gagcggaccc ggaagcggtc cgagggtctc tcgatggaca ggaaggtaga 1080
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aaccctgcag gtgacctctc agatcctcca gaagaacaca gacgtggtgg ccaccttgaa 1260
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ccggctcaag tcgcgggtcc tcggcccaa gatcgaggcg gtgcagaaag tgaacaaggc 1380
tgggatggag aaggagaagg ccgaggagaa gctggccggg gaggagctgg ccggggagga 1440
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cgaggccaca tcacagaagg gggagagcgc agaggacaag gagcacgagg agggtcggga 1560
ctcggaggag gggccaaggt gtggctcctc tgaagacctg cacgacagcg tacgggaggg 1620
tcccgaacctg gacaggcctg ggagcgaccg gcaggagcgc gagagggcac ggggggactc 1680
ggaggccctg gacgaggaga gctgagccgc gggcagccag gccagcccc cggccgagct 1740
caggctgccc ctctccttcc ccggtctcga ggagagcaga gcagagaact gtggggaacg 1800
ctgtgctgtt tgtatttgtt cccttgggtt ttttttccct gcctaatttc tgtgatttcc 1860
aaccaacatg aaatgactat aaayggtttt ttaatgaaaa aaaaaaaaaa aaagggcggc 1920
cgctctagag gatccctc                                     1938

```

<210> 1561

<211> 889

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (886)

<223> n equals a,t,g, or c

<400> 1561

```

cagcaccccc agcctgctga cagcagacag actgggtcct caaaggctct ggcccagacc 60
ctcccaccac ccacggytgc tggtgaaagc aattctgtga cctgcaactg tggccaggag 120
gctgtgctgc tcaactgtccg taaggagggc cccaaccggg gccggcagtt ctttaagtgc 180
aacggaggta gctgcaactt ctctctgtgg gcagacagcc ccaatccggg agcaggaggg 240
cctcctgcyt tggcatatag acccctgggc gcctccctgg gatgccacc agggccaggg 300
atccacctag gtgggttttg caaccctggt gatggcagtg gtagtggcac atcctgcctt 360
tgcagccagc cctccgtcac acggactgtg cagaaggatg gacccaacaa ggggcgccag 420
ttccacacat gtgccaaagg gagagagcag cagtgtggct ttttccagtg ggtcgatgag 480
aacaccgctc cagggacttc tggagccccg tcctggacag gagacagagg aagaaccttg 540
gagtcggaag ccagaagcaa aaggccccgg gcaggttcct cagacatggg gtccacagca 600
aagaaacccc ggaaatgcag cytttgccac cagcctggga cacaccgctc ccttttgtcc 660
tcagaacaga tgagctcagg gtagggtaga gaacgccact tlyttcagac ctgtccctt 720
tgtgtttagg aaatgagttt aaccaggggc caagtggggc attttagtgt tcctgggaaa 780
tttaggaggg acagtgtttg ggccttttgg agttgggggc tttcttgtt gttttaaggg 840
gggcacaaaag gttcccagat ccattcttgg gagcaggggc agcttnttg 889

```


973

<210> 1562
<211> 1385
<212> DNA
<213> Homo sapiens

<400> 1562
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gaggggagtg ccaaggctga gcggccaggc ctccagaaca tggagctggc gcctgtgcag 120
cgcaagatcg aggctcgctc ggcagaggac tccttcacag gcttcgtccg gaccctgtac 180
tttgctgaca cctacctgaa ggacagctcc cggcactgcc cctcgctgtg ggctggcacc 240
aatgggggca ccatctatgc cttctccctg cgtgtgcctc ccgccgagcg gagaatggat 300
gagcctgtgc gggcagagca ggccaaggag atccagctga tgcaccgggc gccggtggtg 360
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cagttcaagg tgttcacgct gcccaagggt agtsccaagc tgaagttgaa gctgacggcc 540
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gactacgggg agcaccacct ggcagtcctt accaacctgg gcgacatcca ggtggtctcg 660
ctgccccctg tcaagcccca ggtgcgctac agctgcatec gccgggagga cgtcatggca 720
tcgcctcctg cgtcttcacc aaatatggcc aaggcttcta cctgatctca cctcggagt 780
ttgagcgctt ctctctctcc accaagtggc tgggtggagc ccggtgtctg gtggattcag 840
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ccaggaactc agggactcag agtgatggcg aggagaagca gcccggcctg gtgatggagc 960
gcgctctgct cagtgatgag agagcggcaa ctggcggttca catcgagcsg ccgtgggggtg 1020
cagcctcagc aatggcggag agtgatggc tgagcgtcca ggctgcgcga tgagcacaca 1080
ctactactga tggcctttcg ggggtccctg ccccarccgg agaggccggt gcacagggcc 1140
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gagagacccc agtccccctg gctgcscctc ccgggcctcg tctgtctggg tccttttggtc 1260
aatgttgca c agtttttatt gctcccatcc cttttttag tagggctgggt ttttaagttat 1320
aaatgttaac tgcctctggg tgaaaaagtt ttaataaac acctattacc tcttgactgg 1380
tcaaa 1385

<210> 1563
<211> 862
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (56)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (784)
<223> n equals a,t,g, or c

974

<400> 1563

```

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ccaccaccgt catgatggag gaattacgta tacattcata ttttgtattg attttkgatt 120
atgaaaatca aaawttttca catttgatta tgaaaatctc caaacatatg cacaagcaga 180
gatcatggta taataaatcc ctttgcaact ccactcagcc ctgacaaccc atccacacac 240
ggccaggcct gtttatctac actgctgcc cctcctctct ccagctccac atgctgtacc 300
tggatcattc tgaagcaaat tccgagcatt acatcatttt gtccataaat atttctaaca 360
tccttaataa tacaatcgga attcaagcat ctccatttgt cccacaaatg tttggctgtt 420
tttgtagtgt gattgtttgt attaggattc aagcaaggcc catatatgtc atttatttga 480
aatgtctgta agtctctttc catctacaga gtttagcaca tttgaacgtt gctgggtgaa 540
atcccgaggt gtcatttgac atggttctct gaacttatct ttctataaaa atggtagtta 600
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tgcacctgtg caggaggcag ataatgctgg tgccctctta ttggtaatgt taagactgct 720
gggtgggttt ggagttcttg gctttaatca ttcattacaa agttcagcat tttacctgat 780
cgtntcagtg gtcattgatg atcattgctg agatccacac tatattaggg ggggcagaac 840
aggtgttttt ctaattctgc ta                                     862

```

<210> 1564

<211> 3107

<212> DNA

<213> Homo sapiens

<400> 1564

```

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aataagaccg ctaagctcta aacaaatccg ttaaagcttc acagggcaga gcagaacaaa 120
aatagtatac tcaatgtata gtcggaaagc agccgaagaa gtgaagcgag aactgataaa 180
gttaaaagtg aactattaca ttctagaaga gtcattggtgt gtaagaagat ccaagcctgg 240
ttgcagtatg cctgaaattht gggatgtaga agatcctgcc aatgctggga aaactccctt 300
atgtaacctc ttggtgaagg attccaaacc tcaactccacc actgtattcc agaacagtgt 360
ttacaaagtc ctagaagttg taaaagaatg actgctacat gacctgctgc ctacggagaa 420
ctacatctgt aatggthttht atgttttgtc aagtcattgt ttgttcatat cccaaaaact 480
tttataggta actgtthttht aatagaaaac gttttatttg gtcaatttga atgtcattct 540
aattataaaa atgacttaca cttttatcaa ttggttacta tttcaatgca ccttttaaaa 600
tttgctatgc aaatgagtat atgcttgtac ttgactthta tatttgtgct aaagtgagca 660
aagctaactg tataaagaaa acacagtggg ttgtgacaag gatgacatga aaatacagga 720
caattctgac aatgtagggg ctgattttat agtgtaagaa ctattaatgc ccttgsttc 780
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tgtcagcccc tgtcatcaac ttgagttaca gtagatgggg cagacatgga gtgtttgcta 900
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atatttctgc ctctctthta gttttttctt tctattttat ttttattttg aaaaatttct 1620

```

975

```

acaccttctt tgaattcctt gtatgaattt ttgtttctta gaagttaatt tgtgtgaaat 1680
gagattcttc aaaacgatga aacctcatag ctctgagaaa aggttttagg gttttaaatt 1740
ctaagcaaaag cgtgactatg gctgacagac tacacattta attatacagc ttctctttct 1800
taaccacagg cagattaacc tcattgtgga ttgtccttca gaccttagtc ctcaggcatg 1860
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gatttgtggc cactgtttct catttgctgg ttgactgttt ttatttctta ggcttttgct 2160
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atttttctca cccccagtaa tttccttcca aagaagttca catgtaataa gtagaaattc 2460
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ttaaaaaaaaa tcatgagtaa tgaaaaaaaa aaaaaaaaaa aaaaatt 3107

```

<210> 1565

<211> 300

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (164)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (297)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (298)

<223> n equals a,t,g, or c

<400> 1565

```

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ggagccagggt ccggaagat ctgtgctctt traaggcttc tctgcagctg cggggggagg 120
atggcagtgct ctggaactac aaacccccag ccgacagtgg cggnaaagag atcttctccc 180
tgctgccccca catggctgac atgtcaacct acatgttcaa aggcattcat agctttgcc 240

```

976

aagtcacatctc ctacttcagg gacttgccca tcgaggacca gatctcctgc tgaaggnggc 300

<210> 1566

<211> 537

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (501)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (516)

<223> n equals a,t,g, or c

<400> 1566

```

ggtgacagct sccagcggca tcctcgatgt caccgtgggc tacctgaacc cagaacagca 60
ttgtgccag gaatccagt atgaggaggc ttgtccagag gacaaggac cccaggaccc 120
acaggcactg gcgctggaca cccagatccc tgcaaccctt ggacccaaac ccctggtcgc 180
caccagccgg gagccaggga aggacgtcac gacctcaggg tactcctccg tcagcacccg 240
aagtcaccaca agctccgtgg acggtggcctt gggggccctg cccaaccta cctcagtgtc 300
gtccctggac agtgactcgc acacacagcc ctgccaccat caggccagga agtcattgtt 360
acagtgtcgt cccccaagtc ccccgagag cagtgttccc cagcaacagg tgaagcggat 420
aaacctatgc atacacagtg aggaggagga catgaacctg ggccttgtga ggctgtaagt 480
gtgtcagcac atttgccgca ntggatktgt actgangggg gtggagcgaa ggtggaa 537

```

<210> 1567

<211> 333

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (143)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (192)

<223> n equals a,t,g, or c

<400> 1567

```

gtggttgccct taatgatgaa cacttggaag aactgggagg aatactgaaa gcaaaaacttg 60
aagggcactt taaaaaccaa gaattgagac aggtgaaaag acaggaagaa aactatgatc 120
aacagggttg gatgtctctg cangatgagg atgaatgtga tgtttatatt ctgaccaaag 180
tatcagatat tntgcactca ttattttaagt acttatgaag garaagattt taccatgggt 240
tgaacaacta cttccattaa ttgtaaatct aatttgtttc aagtaggcca tggccagaca 300
gacatggggg ttgtggcata tttggatgga cat 333

```

977

<210> 1568
<211> 649
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (432)
<223> n equals a,t,g, or c

<400> 1568
acgagggcag caccagctgg aaggcgccct tggaggcttc caagggctgc atcaagtgcg 60
aaggccctgc ccggaggact ggctgctcta cggaaggaag tgctacttct tttccgagga 120
acccagagac tggaacacag gcaggcagta ctgccacacc cacgaggcgg tgctggctgt 180
gattcagagc cagaaggagc tggaatttat gttcaagttc acgcggaggg agccctggat 240
tggactacgc agagttgggg acgaattcca ctgggtcaac ggggaccctg ttgatccgga 300
cacgttcacc atcgcagggtc caggggagtg tgtcttcgtg gagcccacca ggctggtgtc 360
gacggagtggt ctgatgaccc ggccctgggt gtgcagcaag atggcctata cttgargtgg 420
gtkgggccag angtkgccc cccctargcc tgtgggargt gtctggtgtc tgctcaagac 480
ctgcttccag cggacgcgcc tgccctctgc aaggcgaacg ggtgggtgcg tggcctccgc 540
cccaggcccc tctcccaggc cctggcgctc tgagtccctg gttcctggcc tcctttgtct 600
gcaggcaggt cgtgtggctc agcagttaaa tcccatatgc taggtagtg 649

<210> 1569
<211> 393
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (363)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

<400> 1569
cggagccagg cccggagctg agggggccag ggcctttgga ggaagcattg gcctccaggc 60
tgaagagcaa gggccgtgtc acctgcccgg agggcggtct catctctgca gccaggtcag 120
aggaagcagc ggtggggaga cggagtgcgc gagttgggag gctccacgca tcgtaggtgg 180
agagctggct gccagcctgg cctgcccctc cttccccgtc ccaccatctc gcttggtctc 240
ggcacctgcc tgggaagacc cacacctcgc tctgcagtgc ctcttcccc tggaggccct 300
gccctccgct cggggtcccc gcacacctcc gtggccctca gagcatcgcc tggggcgccc 360
gcngaactca tctgttaagc ctgggatcan gca 393

<210> 1570
<211> 566
<212> DNA
<213> Homo sapiens

978

<220>

<221> misc feature

<222> (556)

<223> n equals a,t,g, or c

<400> 1570

```

gaattcggcc gaggagagat ctctagggga cctgatgtgc acttgacaca tggccttgag 60
cccaaagatg ttaacaggga atttaggcta acagagagca gcacttgatg gccttctact 120
gtggctgctg tcctatctcg agctcaaggc tgcagatccc cttctgctcc tgacgtgagg 180
acaggttcct tcagccactc agctactgat ggaagcgtgg gggttaatagg gggttcctgag 240
aaaaagggtt ctgagaagca agcaagcaca gaacttgagg ctgcctcttt ccctgcargc 300
atgtactctg agcccttgag gcagtttagg gacagctctg taggtgacca gaatgcacag 360
gtgtgtcaaa ccaattccag aaccamctgc aacaactcag gggaccacac accctggatt 420
taagtgaarg gtctgctgag agcaagttgg tggtagagcc acagcatgaa tgttttagaaa 480
ataccactag atgttttttg gaaaagccac aattttccac tgagttgagg gatcacaatc 540
gcttggaattc ccaagncaag tttgta 566

```

<210> 1571

<211> 1657

<212> DNA

<213> Homo sapiens

<400> 1571

```

gctacctagt gtctccttct gacctcatta tctgtctgaa taaacttcag atgggtactg 60
gatgtatatt gactactgtc aaataaaatg aactttgttt tagttaaggt cagatatgat 120
gtggttggtg tgttttggaa catgtttttt cagggtgcat ctggagggtg tggggttgga 180
gatggtgttc aagaaccaac cacaggcaac tggagaggaa tgctgaaaac ttcaaaagct 240
gaagagttat tagcagaaga aaaatcaaaa cccattccaa ttatgccagc cagtccacaa 300
aaagggtcat cgtgaacct gctagatgtg ccagttcctg ttgcacgaaa actatctgct 360
cgggaacagc gagattgtga gggtattgaa cgactcatta aatcatattt tctcattgtc 420
agaaagaata ttcaagacag tgtgccaaag gcagtaatgc attttttggg taatcatgtg 480
aaagacactc ttcagagtga gctagtaggc cagctgtata aatcatcctt attggatgat 540
cttctgacag aatctgagga catggcacag cgcaggaaag aagcagctga tatgctaaag 600
gcattacaag gagccagtca aattattgct gaaatccggg agactcatct ttggtgaaga 660
gaactatgta atactgagac tttgttgact caaaacttgc tagttactgc ctacctgagt 720
agaatcttat ttatgaactc ctgtgtattg caatggtatg aatctgctca tgtggagact 780
ggctataaac tgaaaagtgt attccaaatt gcagaacaca tcacacattt aatccaaata 840
ataaatggct gtttctaaag tttcccagta tatataaaat acatcaagtc tgtcttgtga 900
cagtttcctc tgaacttaac ttaaaaaaca ctgttaatgt tctagttgtg caaagcagtt 960
tgctgttgga taagatgacc tgtgtaataa tctttgttag tagtcttaaa gctgctgcca 1020
tagtcttcca agaagaaagc accaagacaa catttcatat gactataatg catgtactat 1080
ataagctgat ctggctttga aagatgtgag ttggcaagtt cctcacatag agtcattgta 1140
ttccacctgt ccttcaattt agttttttct gagcttcttt gcagcctttg atgtgttttt 1200
aagaaagctg aatgcacaag aggatctgtg aacttgacat ggctgtgggtg tgcatactgt 1260
gtagttacat agcccttcca attctgggtc catttgact agcaaattaa aatatgcttt 1320
gattcatact taaacctgaa agcaggaatg cctacattaa ttctacatt aaaaacagcc 1380
atctaccctt gattatctag waagacttgg taatgatggg cagttccttt tagatttcag 1440
aaaatcaaat gatgacctaa atttccctta atttgcaaat acagtagtaa ttaagggtaca 1500
tctctaaagt ggagcactta caccaggctc taagattcac tttgaggtgg aacttaaaac 1560
cagtgtactg tatgtatgca ttggtaatat ctacttttgc ttcatagctt cataccaaca 1620

```

979

aaatatatattt attagaatag tatgaaagta ctggagg

1657

<210> 1572

<211> 1186

<212> DNA

<213> Homo sapiens

<400> 1572

```

ggcacgagaa ataatcacct ggagtttggt aaaccatatg gattctcagg ctccctctctt 60
gaagattctg attcagtagg tctgggagtg gcgccctgga ttttgatcaa aattgtagag 120
catttttaagg tgagtacctg agggagaact taaagacatc ttagttgggg agtagtctt 180
ttgaatttta cagctagata taatcttcag tcagataaaa tttatgggag ctggtgtctt 240
atgcctgact cttagtaatt tcataccggt ttgaagtacg tgtgccccatg cctaaagcct 300
tgactttcag aatgttgtct tttgattctt ctgtcttgat ttgattagggt gtgaaattta 360
gaagtcttag taatgtaact tgaagatgtt aaacaaaaat ctcaagtaaa atgaaaagca 420
aatatgggct actgaattaa gaaactggca ttctagtatt aaatcctcac ttcaggagct 480
tttaaaaaata ctgagacccc ccataacca gagattcaga ttcaaagact gaggatagga 540
ccttagcatt gtagctatct aaagtttcta atgtgcaccc agggttggga atcaccaatg 600
tgggtgtgaa aatgcctaca aagggtttta gtgccttaga agtcctaaga agcccaatct 660
gtatcaaagc agatccattt tgcaaggatc tttcttttag aactttctca gttctcttag 720
taagaacttt agaagtaatc ttgataataa gcacagacag cctaacagca gaggcaactt 780
aaataactcc tgagcagttg gcactagaac agaatacttg gaatgacacc aaagttaacc 840
aagtccagca tatgtccaaa gagttaagtg tttcatttac tgtagcattc tgggtgagaa 900
attggttgct gaaatcttaa gacagtggtc tcaaccttgg ctgcacattg gaatcacctg 960
tagggtttta aagcatccaa atggtaatta acaggcagca aaacttcaga actagttctg 1020
catctactgt gcaaagatca tgattaactg tcaagacact ggtagaacag aacaagcaaa 1080
agattaagag ttcaaaagta aatgcaacca wtttaacatg tagtgttatt aaaaaattac 1140
aaaggcctag accagcctgg gcaacagaga ccatgcttaa aaaaaa 1186

```

<210> 1573

<211> 725

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<400> 1573

```

gtgctntttt ttnaatgctg gggttaaaca aagtgtctct cttggactta aagacctttt 60
gtctcaatac ccatttataa ttgatgcaca cctttcaaac atattaagtg aagtgactgc 120
tgtgtttaca gataaagatg ctaatgtacg attagcagca gttcaacttc ttcaattcct 180
ggcccccaaa atacgagctg aacaaatttc tccatttttt cctttggtaa gtgccccatc 240
ctctagtgcc atgactcaca ttactgaagg aattcaggag gactctttta aagttttgga 300
cattctgctg gaacagtacc cagctctaata tactggccgt agcagcatat tgcttaagaa 360

```

980

```

ttttgtagaa cttattttctc atcagcagct gtccaaagga ctgataaata gagacagatc 420
ccagtcctgg atacttttctg taaatcctaa tcggagactc acttctcagc aatggaggct 480
gaaagtctta gtgagactca gtaaattcct tcaggccttg gcagatggat ccagtaggtt 540
gagagaaagt gaaggacttc aggaacagaa agaaaatccc catgccacta gcaactycat 600
ttttatcaac tggaaggaac atgccaacga ccagcaacac atycagggtt atgaaaatgg 660
ggggtcacar gcaaaggyag gtccargtya agstacggat ctgggttgag gactgatggg 720
gggat                                             725

```

<210> 1574

<211> 1135

<212> DNA

<213> Homo sapiens

<400> 1574

```

caaaagcata gagaaattat aaaattcaag aacagatggt agaatggaaa ctgatctaga 60
ggttataata aaggataata gtcttggtgt gacaccatca cacatcaaag cctacatggt 120
gatgactctt caaggattag aatatttaca tcaacattgg atcctacata gggatctgaa 180
accaaacacac ttgttgctag atgaaaatgg agttctaaaa ctggcagatt ttggcctggc 240
caaatctttt gggagcccca atagagctta tacacatcag gttgtaacca ggtggtatcg 300
ggcccccgag ttactatattg gagctaggat gtatgggtgta ggtgtggaca tgtgggctgt 360
tggtctgtata ttagcagagt tacttctaag gggttcctttt ttgccaggag attcagacct 420
tgatcagcta acaagaatat ttgaaacttt gggcacacca actgaggaac agtggccgga 480
catgtgtagt cttccagatt atgtgacatt taagagtttc cctggaatac ctttgcata 540
catcttcagt gcagcaggag acgacttact agatctcata caaggcttat tcttatttaa 600
tccatgtgct cgaattacgg ccacacaggc actgaaaatg aagtatttca gtaatcggcc 660
agggccaaca cctggatgtc agctgccaa gacaaactgt ccagtggaaa ccttaaagga 720
gcaatcaaat ccagctttgg caataaaaag gaaaagaaca gaggccttag aacaaggagg 780
attgccaag aaactaattt tttaaaagaga aactggaca acattttact actgaggga 840
atagccaaaa aggcaataaa tggaaaaata gtaaacatta agtaaagtgt gtagaagtga 900
gtttgtaaat attctacaca tgtaaaatat gtaaaactat gggttatttt tattaaatgt 960
atttttaaatt aaaaatttaa ttctggtttt tctgattaga gtgcaaaagt gagaaaagtt 1020
caatactctt gaaatgtaga attgaaaatg cattagggaa aacttaataa aaattattac 1080
cagttatttg gaagatctga cccatatagt atcacaaatc tgtagtagca tgggt 1135

```

<210> 1575

<211> 859

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (845)

<223> n equals a,t,g, or c

<400> 1575

```

taagatagca aaccagttcg ttttaagtaa gctaacttgt tcattagtat ctgtgggctta 60
aaatggcaaa aaagaaaata tccttgagtt tgtaatctag ttacagaagt aaggcataca 120
cacacacaaa gataacagta cctagagaga gagtgtgtgt gagtgtgcgt gtctctgtgt 180
gtgcacgtgc acgctcatgg ccaaatgtgc gcactctaca taaaggaggc aggagtctct 240
ataggctatt taatgtaaga gaaactattt ttctcctgtt ccagctgtat cagatactcg 300
ttccgcaaca cagaaatgac tcagaatctc agacaaaatg tattatttgt tcaattttaa 360

```


981

```
ttttgctact acattcataa ctcttaaatt gttaggctgt ttcatttaca tcaaagttat 420
ctcacaaaag agaaggcagg aaacgttttg tgagtgccta ttctatgtca aacactgtgt 480
tggcaccata ttttacaagt ttttttcctc ttctcacagt gatcttgtga gttagttact 540
tatattttta ttagaactca ttattctggg taccctccaa tgagaattag agaggttaaa 600
taccttttcc tagattccca cagcaggaag gtgggcatag ctgttttgtc tgacaccaga 660
acccatctca ccacactgct ttacagtctt cctgaaggac attttgaggt ggggggggct 720
tcaaagctca gagactgggt ttgaatgggt ttaattttgc aakggatcat gtccatgcc 780
gggtgttaca ttcttaactt cctccaaatt cgkgtgtcca ttagacattt ggggtacatcc 840
gggcngggga gggtcaggg 859
```

<210> 1576

<211> 732

<212> DNA

<213> Homo sapiens

<400> 1576

```
cgggtcgacc cacgcgtccg agaaaaagag ggaggagaga aggaaggtcc tggaggaggc 60
tgaagcagag gaggaagagg aagagtgagg gatggagaaa gggcagagga agagacatga 120
gaaagggaga ggaagagaag ccagctctg ggaactgaat caggaaactc aaatcgaata 180
gggaagtaaa aaaacaaaac aaaaaacaaa aaaaacaaaa aaaaaaccct atttaaata 240
aaggagttaa aaaacatttt ttaaggaggg agaaaggaga aattttggtt tttcaacact 300
gaaaaaatac tacctatagg aaagtctgtc aggtttggtt tttttgtaca atatgaaaag 360
gatattatct acctgttctg tagctttctg gaatttacct ccccttttct atgttgctat 420
tgtaagggtc ttgtaaaatc ttgcagtttt gtaagccctc ttaaatgctg tctttgtgga 480
ctgtgggtct ggactaacc cgtggttgcc tgcctcctg agcctccgcc tccccagcag 540
cggcaccaag gggccttagg gagcccaaaa acctaccact cgcgtgttcc ccaagcgcct 600
ggctgctgct tcttgcttcc cgtcccccag ccccatgctc ctttttacat tctgtgtgta 660
tctaaaggat ggaaaaataa aacgcaatta aaaataaaaa aaaaaaaaaa aaaaaaaaaa 720
aaaaaaaaaa aa 732
```

<210> 1577

<211> 1636

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1588)

<223> n equals a,t,g, or c

<400> 1577

```
tcttgtcttg gccggtggtg gccaaccaag tgttgaaact tgggaacctt gagttcaagc 60
ccgaatctcg agtgaatggt ctagatgaaa gcaaaatcaa agataaaaat gagttaaaag 120
aaatttgtga attgaccggc attgatcaat cagttctaga acgagcattc agtttccgaa 180
cagttgaggc caaacaggag aaagtttcaa ctacactgaa tgtggctcag gcttattatg 240
cccgtgatgc tctggctaaa aacctctaca gcaggttggt ttcattggtg gtaaatcgaa 300
tcaatgaaag cattaaggca caaacaaga tgagaaagaa ggtcatgggt gttctggaca 360
tttatggctt tgagattttc gaggacaaca gctttgagca gttcattatt aattattgta 420
acgaaaagct gcaacaaatc ttcattgaac ttactcttaa agaagagcag gaggagtata 480
tacgggagga tatagaatgg actcacattg actacttcaa taatgctatc atttgtgacc 540
taatagaaaa taacacaaat ggaatcctgg ccatgctgga tgaagagtgc ctcagacctg 600
```

982

```

gcacagtcac tgatgagacc ttcttagaaa agctgaacca agtatgtgcc acccaccagc 660
atcttgaaag caggatgagc aagtgtcttc ggttcctcaa tgacacgtct ctgcctcaca 720
gctgcttcag gatccagcat tatgtctgga aggtgctgta ccagggtgga ggattcgttg 780
acaaaaacaa tgaccttmtc tatcgagacc tgtcccaagc catgtggaag gccagccatg 840
ccctcatcaa gtctttgttc cccgaaggga atcccgccaa gatcaacctg aaaaggcctc 900
ctacagcagg ctacagttc aaggcatccg tggccactct gatgaaaaac ctacagacca 960
wgaamccaaa ctatattagg tgtatcaaac cgaatgataa aaaagcagca cacatcttca 1020
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ggagggcagg ctacgccttc aggcaggcct atgaaccttg cctagaaaga taaaaaatgc 1140
tttgtaaaaa aacatggcct cattggaag gaccagccag gtctgtgtg gaggtcctat 1200
ttaatgaatt agaaattccc gtggaagaat actcctttgg tagatcaaag atattcatcc 1260
gaaacccaag aacattattc aaattagaag acctgaggaa gcaacgcctg gaggacttgg 1320
ccactctcat tcagaagata tatcgggggg ggaaatgccg cacacacttc ctgctaata 1380
aaaaaagcca aattgtgatt gccgcctggg acaggagata tgcgcaacaa aagagggtacc 1440
agcagacaaa gagttccgcc ttagtaattc agtcttatat ccgggggttg aaggctcgaa 1500
aaattctgcg ggaactgaag catcaaaagc gctgtaagga agcagtcacg accattgctg 1560
catattggca tgggacccar gywswanga agaatcagga aattcttcag agccaatgct 1620
ggaaaagaaa atctat 1636

```

<210> 1578

<211> 659

<212> DNA

<213> Homo sapiens

<400> 1578

```

gaattcggca cgagaaaaat gaccctatga ttgtgtcttt taaaaaggcc aagcccaatc 60
ctcttcaacc ccggctcacc ctctggtggg cccacgttgg gcacaacttc cccaactgat 120
gggccccttg cttcagctat cctccttgcc gcaatttcct gggcaaagat gcttctctta 180
ccagatgttg ctgatttccc ctgtggggca aaaagaaaac ccaggttact gatgtctatc 240
atcccacttt cctctcaacc tctttatata aaggcctctg gaacaaagag ataaaaagggg 300
atttgtcaa tttccaggga tcacaacctt agttctcaga aaaaggagag gtctataaga 360
gtaaaggtct tagactctga cagacttggg ttgaagttct ggctcttcta cctattagat 420
gtgtgtgtgt ggacaagtta tttatctctt tgggggtctca gtttcctcat atgaaaaatg 480
ggaataagga ctctcatcc ccaaggatc atcatgatac ctgccttata tgtttgttat 540
gaagattaaa agaagtaatg ggtatgaagt gcttagtatg atcctgcttt gtaaaattaa 600
ttgcttatca tcattaaaac tacctgcctg gagaaaaaaa aaaaaaaaaa aaactcgag 659

```

<210> 1579

<211> 1866

<212> DNA

<213> Homo sapiens

<400> 1579

```

gcggacgcgt gggaaacaag ctgctaaca tagtttgctt ttacatcttc ttaaaagcca 60
gactatacct aagccaatga atggacacag tcacagttag agaggaagca tttttgagga 120
aagtagtaca cctamaacta ttgakraata ttcagawaac aaycctagtt ttacagatga 180
cagcagtggt gatgaaagt cttattccaa ctgtgttccc atagacttgt cttgcaaaaca 240
csgaactgaa aaatcagaat ctgaccaacc tgtttccctg gataacttca ctcaatcctt 300
gctaaacact tgggatccaa aagtcccaga tgtagatata aaagaagatc aagataccyc 360
aaagaattct aagctaaact cacaccagaa agtaacactt cttcaattgc wacttggcca 420
taagaatgaa gaaaatgtag aaaaaaacac cagcccycag ggrgtacaca atgatgtgag 480

```

983

```

caagttcaat acmcaaaatt wtgcaaggac ttctgtgata gaaagcccca gtacaaatcg 540
gactactcca gtgagcactc cacctttact tacatcaagc aaagcagggt ctcccatcaa 600
tctctctcaa cactctctgg tcatcaaata gaattcccca ccatatgtct gcagtactca 660
gtctgaaaag ctaacaaata ctgcatctaa ccaactcaatg gaccttataa aaagcaaaga 720
cccaccagga gagaaaccag cccaaaatga aggtgcacag aactctgcaa cgtttagtgc 780
cagtaagctg ttacaaaatt tagcacaatg kggaatgcag tcatccatgt cagtggaaga 840
gcagagaccc agcaaacagc tgttaactgg aaacacagat aaaccgatag gtatgattga 900
tagattaaat agccctttgc tctcaaataa aacaaatgca gttgaagaaa ataaagcatt 960
tagtagtcaa ccaacagggt ctgaaccagg gctttctggt tctgaaatag aaaatctgct 1020
tgaaagacgt actgtcctcc agttgctcct ggggaacccc acaaaggga agagtgaana 1080
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<210> 1580

<211> 1496

<212> DNA

<213> Homo sapiens

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<220>

984

<221> misc feature
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<223> n equals a,t,g, or c

<400> 1580

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<210> 1581

<211> 3898

<212> DNA

<213> Homo sapiens

<400> 1581

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985

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986

<210> 1582
 <211> 447
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (434)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (445)
 <223> n equals a,t,g, or c

<400> 1582
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<210> 1583
 <211> 1274
 <212> DNA
 <213> Homo sapiens

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 <222> (6)
 <223> n equals a,t,g, or c

<220>
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 <222> (1234)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1268)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1273)
 <223> n equals a,t,g, or c

987

<400> 1583

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gccaaaggag ctttcgagga gagaacgaga agagattgag aagcagaagg caaaagagcg 420
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ccaggcaaaa catgtccac aaattcaact tgtatatatt gcagattaaa cttgacatta 1200
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aggggggngg ggnt 1274

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<210> 1584

<211> 498

<212> DNA

<213> Homo sapiens

<400> 1584

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<210> 1585

<211> 728

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (663)

<223> n equals a,t,g, or c

<400> 1585

988

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ttttggat 728

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<210> 1586

<211> 1808

<212> DNA

<213> Homo sapiens

<400> 1586

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ggagtcaagt aaaacaagct gttgccaaaa tggttcaaca gtgctgtact tatgttgagg 420
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aaaaaaaaa 1808

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989

<210> 1587
 <211> 377
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (30)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (201)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (341)
 <223> n equals a,t,g, or c

<400> 1587
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<210> 1588
 <211> 1486
 <212> DNA
 <213> Homo sapiens

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990

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ctatagatgg taataaccaa cttgtaatca aaggaagatt ccaacagaaa cagatagaaa 960
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gccaagattt ttggcgagtg gttggtctga agtccttgca agacgctgat gctcaagctg 1320
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acagtgaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa 1486

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<210> 1589

<211> 998

<212> DNA

<213> Homo sapiens

<400> 1589

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gccaccagct tggacttcta gggactttcc tctcagccag gaaggatttt gatattcatc 180
agaaatacct ccagaagatt caaggagctg tagagggtgaa gtaagcctgt gaaggaccag 240
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aagaagaaat gctaattgtca acctcaaaaa ccagaaagag agaacctgct tgcattatgc 480
tgtgaagaaa aaatttacct tcattgatta tctactaatt atcctcttaa tgcctgtyct 540
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atacagaaaa agttaacgac tggattctat cttcatttta gacttttggg ctgtgggcca 900
ttaaacctgg atgccaccat tttatgggga taatgatgct taccatgggt aatgttttgg 960
aagagccttt tatttatagc attgtttact cagtcaag 998

```

<210> 1590

<211> 2122

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1306)

<223> n equals a,t,g, or c

<400> 1590

991

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tctgcctcat tctccagagg angacaattg agtttccactg atttgggctt accacctact 60
gaccacctcc aggccctcatt tggatttccag accttttcaac ccagtggcat attattagat 120
catcagacat ggacaaggga actgcaggtc actctggaag atggttacat tgaattgagc 180
accagcgata gcgrcggccc aattttttaa tctccacaga cgtatatgga tggtttactg 240
cattatgtat ctgtaataag cgacaactct ggactacggc ttctcatcga tgaccagctt 300
ctgagaaaata gcaaaaggct aaaacacatt tcaagttccc ggcagtctct gcgtctgggc 360
gggagcaatt ttgaggggtt tattagcaat gtttttgtcc agaggttatc actgagtcct 420
gaagtcctag atttgaccag taactctctc aagagagatg tgtccctggg aggctgcagt 480
ttaaacaac cactttttct aatgttgctt aaaggttcta ccaggtttaa caagaccaag 540
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aatgtctttt aagaaacatt cttttccact tgttaaaaaa attaaatata ttttaaagca 2040
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gcagtgtagt ccttaaaaaa aa 2122

```

<210> 1591

<211> 529

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (437)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (480)

<223> n equals a,t,g, or c

992

<220>

<221> misc feature

<222> (491)

<223> n equals a,t,g, or c

<400> 1591

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cagagacttg gtgcggggtt aacaccttca tccagattgg gtgccagcat acattttctg 120
gtgggcctta acatccctcc tgcttttagg agaattcaca gaacctactg ttcctttcag 180
atgacctttt ggaaaatagt tccctttgcc aacagaaaca tgccagaagg aatctttctca 240
tcttttatct aactatatgt acagctctcc cctcccttgt ccttgaaagt aggatatagc 300
gaaaggcgag tccaggagct caggaagaag agatgcacta tatgtttaca caattaattc 360
atcccttaat ttaagtcatt ttcattgtgt tgagtttgct ggttggtgaaa tactttgtcc 420
taagagattt atctttntac agattttcta gaaatgtttt aggttactaa aaacagggtn 480
ggggc aaact ntgttaaact ggtacaattt tataggtgga aagaaaaaa 529

```

<210> 1592

<211> 1216

<212> DNA

<213> Homo sapiens

<400> 1592

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gtccacccca gtccctttca gstgctgctt aatgccctgc tctctccctg gccacctta 180
tagagagccc aaagagctcc tgtaagaggg agaactctat ctgtgggtta taatcttgca 240
cgaggcacca gagtctccct gggtcttggt atgaactaca tttatccctt ttcctgcccc 300
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tgagactcgg tccaagagtc cattccccag gtgggagcca actgtcaggg aggtctttcc 420
caccaaacat ctttcagctg ctgggaggtg accatagggc tctgctttta aagatatggc 480
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attgtcttaa atgtcatgat tggagatgtc ctttgcatcg cttggaaggg gtgtacctag 1140
agccaaggaa attggctctg gtttggaata attttgctgt tattatagta aacatacaaa 1200
ggatgtcaaa aaaaaa 1216

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<210> 1593

<211> 689

<212> DNA

<213> Homo sapiens

<220>

993

<221> misc feature
 <222> (565)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (582)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (620)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (649)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (670)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (680)
 <223> n equals a,t,g, or c

<400> 1593
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 agacttcaaa agataagggt caaaagtgtt ataagaagat attccttttt ttgtcctaga 120
 gaacttattt tcctgtgaaa atgcctacca caaagaagac attgatgttc ttatcaagct 180
 ttttcaccag ccttgggtcc ttcattgtaa tttgctctat tcttgggaca caagcatgga 240
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 gactttttcg tggggagagt agtgaagaat tgagtcacgg acttgcagaa ccaaagaaaa 360
 agtttgcagt tttagagata ctgaataatt cttcccaaaa aaactctgca ttcggtgact 420
 atcctgttcc tggtcctgag tttgatcacg tcgctgctga gctctgggtt taccttctac 480
 aacagcatca gcaaccctta ccagacattc ctggggcccg acgggggtgt acacctggaa 540
 cgggctcggg catccttcgt tttgngacca tgatactgtt gnggcgaaca cgcagtccaa 600
 ccaattttcc gaaagtggtn caaatgcttt aaccggaaac accagtaang gaccgaccac 660
 agttccgggn cctgtttggn taaaacggt 689

<210> 1594
 <211> 946
 <212> DNA
 <213> Homo sapiens

<400> 1594
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 ataagaagat attccttttt ttgtcctaga gaacttattt tcctgtgaaa atgcctacca 120

994

```

caaagaagac attgatgttc ttatcaagct ttttcaccag ccttgggtcc ttcattgtaa 180
tttgctctat tcttgggaca caagcatgga tcaccagtac aattgctgtt agagactctg 240
cttcaaattg gagcattttc atcacttacg gactttttcg tggggagagt agtgaagaat 300
tgagtcacgg acttgcagaa ccaaagaaaa agtttgcagc atccttcgtt tttgtgacca 360
tgatactgtt tgtggcgaac acgcagtcca accaactctc cgaagagttg ttccaaatgc 420
tttaccgggc aaccaccagt aaaggaacga cccacagtta cggatactcg ttctgggtca 480
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ccagatacca gcggaagcag gagcagagaa agccaatgga atatgctcca agggacggaa 600
ttttattctg aattctcttt catctcattt tggcgttgca tctattgtac atcagccctg 660
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cagcatttgt gtttcatgac actgtgttct tcattgatgc tgtactcctg aaaatttttc 780
ccacaagggt ggggaaatga atgggaaatg tcgctgggtc gtgtggtatt caaagcagta 840
gtatcatgat gagcgtaacg acccttctga cctgggtctc cgatctgaaa taataaaagg 900
ctgtgtcatg tttaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaa 946

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<210> 1595

<211> 875

<212> DNA

<213> Homo sapiens

<400> 1595

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tctgcttaat ctgtggagac cgccagacct tgaggaaccg acaaaagtag ataagctaca 120
agaaccattg ctggaagcac taaaaattta tatcagaaaa agacgaccca gcaagcctca 180
catgtttcca aagatcttaa tgaaaatcac agatctccgt agcatcagtg ctaaagggtgc 240
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aatgctggag aattctgaag gacatgaacc cttgacccca agttcaagtg ggaacacagc 360
agagcacagt cctagcatct caccagctc agtggaatac agtggggtca gtcagtcacc 420
actcgtgcaa taagacattt tctagctact tcaaaccattc cccagtacct tcagttccag 480
gatttaaaat gcaagaaaaa acattttttac tgctgcttag tttttggact gaaaagatat 540
taaaactcaa gaaggaccaa gaagttttca tatgtatcaa tatatatact cctcactgtg 600
taacttacct agaaatacaa acttttccaa ttttaaaaaa tcagccattt catgcaacca 660
gaaactagtt aaaagcttct attttccctt ttgaacactc aagattgcat ggcaaagacc 720
cagtcmaaat grtttaccoc tgggttaagt tctgaagact ttgtacatac agaagtatgg 780
ctctgttctt tctatactgt atgtttggtg ctttcctttt gtcttgcata ctcaaaataa 840
ccatgacacc aagggttatga aatagactac tgtag 875

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<210> 1596

<211> 1257

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1252)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1254)

<223> n equals a,t,g, or c

995

<220>

<221> misc feature

<222> (1256)

<223> n equals a,t,g, or c

<400> 1596

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ggtctccact cgctcttcca acaccgctc gttttggcgg cagctcgtgt cccagagacc 180
gagttgcccc agagaccgag acgcccgcgc tgcgaaggac caatgagagc cccgctgcta 240
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ttggacctca atgacacctt ctctgggaag cgtgaaccat tttctgggga ccacagtgt 360
gatggatttg aggttacctc aagaagttag atgtcttcag ggagttagat ttcccctgtg 420
agtgaatgc cttctagtag tgaaccgtcc tcgggagccg actatgacta ctcagaagag 480
tatgataacg aaccacaaat acctggctat attgtcgatg attcagtcag agttgaacag 540
gtagttaagc cccccaaaa caagacggaa agtgaaaata cttcagataa acccaaaaaga 600
aagaaaaagg gagggcaaaa tggaaaaaat agaagaaaca gaaagaagaa aaatccatgt 660
aatgcagaat ttcaaaattt ctgcattcac ggagaatgca aatatataga gcacctggaa 720
gcagtaacat gcaaatgtca gcaagaatat ttcggtgaac ggtgtgggga aaagtcctatg 780
aaaactcaca gcatgattga cagtagttta tcaaaaattg cattagcagc catagctgcc 840
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ccctttttgt tatgatggtt ttaaactttc aattgtcact ttttatgcta tttctgtata 1140
taaaggtgca cgaaggtaaa aagtattttt tcaagttgta aataatttat ttaatattta 1200
atggaagtgt atttatttta cagctcatta aactttttta accaaamara ananana 1257

```

<210> 1597

<211> 941

<212> DNA

<213> Homo sapiens

<400> 1597

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gcaccacagc gctccagcct ggtcgacaga gtgagactcc atctcaagaa aataaaaaata 60
aagttgttct ctgaagagca aatgtctcat tccagtaatg acccactcag caggaatatg 120
gtggagttca gtccaattca ggtcagccat atccaaaaga ccacaagtca ttactaagtt 180
gagcaaaaaga gtttttatct attagcagaa agggcctctc tggcagcaga gattaaaaac 240
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cagttaacat ctcagagcta gaacattcca cattccccag cagcgtgtgg gggctgacta 480
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taagggatcc agataagcca gaagcagggg gatcttwagt tgggaattgta aacttttagtc 780
agccccaca cgctgctggg gaatgtggat gttctagctc tgagatgtta actgrgaaaa 840
gagaagtcaa acaaaagccg tacgtgcagc cctgtctaca gaatccttca ttatccagtt 900
taataaggag tttcttgggc ttttattaac ttgggtcgac c 941

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996

<210> 1598
<211> 505
<212> DNA
<213> Homo sapiens

<400> 1598
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gtacagtggc cccccgtgaa agacagaatt gtggttttcc tgggtgtcacg ccctcccagt 180
gtgcaaataa gggctgctgt ttcgacgaca ccgttcgtgg ggtcccctgg tgcttctatc 240
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<210> 1599
<211> 280
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (7)
<223> n equals a,t,g, or c

<400> 1599
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gctgccacct ycaccggaca cctcagacac gcttctgcag ctgtgcctcg gctcacaaca 120
cagattgact gctctgactt tgactactca aaattggcct aaaaattaaa agagatcgat 180
attaaaaaaaa aaaaaaaaaagg aaaaaaaaaagg gcggcgcgtc aagaggatcc aagcttacgt 240
aacgcgtgca tgcgaaggtc atagctcttc tatagtgtca 280

<210> 1600
<211> 1529
<212> DNA
<213> Homo sapiens

<400> 1600
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tcttcagtta atggcaagac ttgcagaggg tacaggtttg cagattccgc cagcagcaca 180
gcaagctcta cagatgagtg gctctttggc atttgggtgct gtggcagaat tctcttttgt 240
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agaagaagaa gttggatggg ataccgagat taaggatgat gtgattgaag aatgtaataa 420
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gaagtgccca tcaattgctg cagctatttg tgctgtcaat gcattgcatg gcagggtggtt 540
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tgattctatg acagcaacac agctactggg tccaagtaga cgatgaagga agatatagtc 660

997

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ccttatgtat atagcttttt ttctttcttg agaattcatc ttgagttatc ttttatttag 720
ataaaaaata agaggcaagg atctactgtc atttgtatgc aatttcctgt taccttgaaa 780
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gaaagggaga tttcaaaatt atatttcttg atggtatctt ttcaattaat gtatctgtaa 1200
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agtctcttaa aaaggcmaa aaaaaaaaaa 1529
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<210> 1601

<211> 3096

<212> DNA

<213> Homo sapiens

<400> 1601

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```

998

```

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```

<210> 1602

<211> 336

<212> DNA

<213> Homo sapiens

<400> 1602

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gtgctttgtg ctttgtgcat gtggtaggca gaacactacc atatgtcccc acatacttac 60
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aagctccctt ctctctgcgt tgccctcca gtsccctctg ctgaccagggt ttagcatcat 180
gtgctctgta aaggaggaat tctggagagt ccagtcattt attacagagc tagtactgaa 240
gggtgagttt ggagttaaga ggcaataaat tgataactgg cacagaagcc aaatataaga 300
gtattgacta aataatagct aagtacaaga acacag 336

```

<210> 1603

<211> 1035

<212> DNA

<213> Homo sapiens

<400> 1603

```

gtgcatcggc ttcgagtcag caattctgtc taccttcttg tccctgatgc ctataaattt 60
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tctgtcctgt cacaccaaag gtagcatctt tggaaagtct gaggccttgc ctaggagat 180
ggattgtata taccagttg tcacataatg taaggaagag aagggaatgt tgaccttca 240
gcctcagggc aatggcacca gggagtatta tggaaactct taaattcaac ttccaggat 300
tccttgggtg gtaactagac aatgaatata tacaaggctg acatgatggr attctgtcct 360
caggggtact tcggtccttg gtggaagcat ctagctcagg tgtgtcggta ctgagcctgt 420
gtgagaaagg tgatgccatg attatggaag aaacagggaa aatcttcaag aaagaaaagg 480

```

999

```

aatgaagaa aggtaaaaaa aaaaaaatcc ctcactaatt ttccgtttga cccttatttg 540
gtcctatatg tttttatttt tttcactgta atgacgcayc ccaccccagc tctggctgag 600
gtatttggaa atttggwatg gcaagtggga tacaagcagt ttcttaccta atccaaactg 660
atgaaactta agcaagaccc tgaaaaaatc cttctacatt tctgaagggc actagggtctc 720
ccggggagaca gcaaggcagt aggctgatga ttctttcttt acagggtattg cttttyccac 780
cagcatttctg gtaataaact gtgtatgtca cttctcccct ttgaagagcg accaggatta 840
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agtgcacttg ggggtccatgt ggatggcttc atcgctaatt tagctcacac ttttgtgggt 1020
gatgtagctc agggg                                     1035

```

<210> 1604

<211> 2231

<212> DNA

<213> Homo sapiens

<400> 1604

```

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ttagctgcac agctgaagca tcactctgag aataagggcc tagacaaagt gatggagact 120
caagcccaag tggatgaact gaaaggaatc atggtcagaa acatagatct ggtagctcag 180
cgaggagaaa gatttgaatt attgattgac aaaacagaaa atcttgtgga ttcttctgtc 240
accttcaaaa ctaccagcag aaatcttgct cgagccatgt gtatgaagaa cctcaagctc 300
actattatca tcatcatcgt atcaattgtg ttcactctata tcattgtttc acctctctgt 360
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acagatggta tctgccagtc tcttcaaccc tcttctcact ttttaaaatc ttgttccatg 540
cctccagggtt tatctttgtc ttatctacca gtttattcct gtgaacttca gattgaacca 600
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acactaatgc ctcttaattg catcagtatt tcctattgga aaatacatct gttccagaaa 1980
aacatttggc attcctgaat aatttccaaa tgtttttaat ccaaagaaaa aggtttaaag 2040

```

1000

```

cttattttccc tttcttatac acacctgaat aaaattgatg tgcattgtttt agggatcaat 2100
tacctaactg ttccttggtc tatttatgta taagaatgct ttttaaagca catgtctcat 2160
tttaaatgac gcacaaactg aagatgttaa taaaatttaa gagtaataca atgaaaaaaaa 2220
aaaaaaaaaa a 2231

```

<210> 1605

<211> 679

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (590)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (595)

<223> n equals a,t,g, or c

<400> 1605

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aacaactagg ctgcaagact ttaaaggcaa cattctacga gtttttgcca gctcagacac 180
catcaacatc tgggttttgta gcctggatgt gtctgctagt agccgaatgg tggtcacagg 240
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aatgcacaaa aagaaaagtga cgcattgtggc cctgaaccca tgctgtgatt ggttcctggc 360
cacagcctcc gtagatcaaa cagtgaataa ttgggacctg cgccagggtta gagggaaaagc 420
cagcttcttc tactcgctgc cgcacaggca tcctgtcaac gcagcttggt tcagtcccga 480
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taatttcaaa agttgtacc 679

```

<210> 1606

<211> 1677

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1668)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1673)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1001

<222> (1676)

<223> n equals a,t,g, or c

<400> 1606

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gctttkttga gagcgacatg tttgtggaac acagatgtgc agattttgga atggctgctg 180
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tcccattcct gccttttgca atcatgaaac ctgggaatcc aaatagttgg ataacttaga 1620
ataactaagt ttattaaatt ctagaagat caaaaaaaaa aaaaaanaa aanaana 1677
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<210> 1607

<211> 1209

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1150)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1156)

<223> n equals a,t,g, or c

<400> 1607

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accagacact cccgactgtg cgctgactct ccccgcccag ccagcagcct tttccagaga 120
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1002

```

ggctgtgggtc catagcctct gttcgttttc actgcaggac caggcacgaa agttaaaca 180
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gaatcattcc tttggccccc atatctaaat cattgtggac tkgtcagta gaatcttcca 360
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gggctttat 1209

```

<210> 1608

<211> 2608

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<400> 1608

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tcagccctc cctgcagatt gcatgtcccc tggaaggagg tcctgtcac agcctcactt 180
ctaacccttct ggaaccacc caccactgcc aagctcacta ttgaatccac gccgttcaat 240
gtcgcagagg ggaaggaggt tcttctactc gccacaacc tgccccagaa tcgtattggt 300
tacagctggg acaaaggcga aagagtggat ggcaacagtc taattgtagg atatgtaata 360
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gcatccctgc tgatccagaa cgtcacccag aatgacacag gattctatac cctacaagtc 480
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cccaagccct ccatctycag caacaactcc aaccccggtg aggacaagga tgctgtggcc 600
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gtcaaaagga acgatgcagg atcctatgaa tgtgaaatac agaaccacgc gagtgcacac 780
cgcagtgacc cagtcacct gaatgtcctc tatggcccag atggccccac catttcccc 840
tcaaaggcca attaccgtcc aggggaaaat ctgaacctct cctgccacgc agcctctaac 900

```

1003

```

ccacctgcac agtactcttg gtttatcaat gggacgttcc agcaatccac acaagagctc 960
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gccactggcc tcaataggac cacagtcacg atgatcacag tctctggaag tgctcctgtc 1080
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```

<210> 1609

<211> 2013

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<400> 1609

```

ggacccagtt tctgaggaag gagaaggcct cagctgccan gatcagtncc acagagaccc 60
tctcggaaga ggagcaggaa gagctaagaa gagaacttgc aaaggtagaa gaagaaatcc 120
agatgctgca agcgagggtcc aagcacatct tgtcaacatg cattgccatg aatttctacc 180
agatgtgctt ttatttagct ttacatattc ctttgacca atagtttgtg ggttaaacia 240
aatgaaaata tcttcacctc tattcttggg aaacaccctt tagtgtacat ttatgttctc 300

```

1004

```
ttatttagga aacaccatta taaaaacact tatagtaa at ggggacattc actataatga 360
tctaagaagc tacagattgt catagttggt ttcctgcttt acaaaattgc tccagatctg 420
gaatgccagt ttgacctttg tcttctataa tatttccttt ttttcccctc tttgaatctc 480
tgtatatttg attcttaact aaaattgttc tcttaa at tctgaatcct ggtaattaaa 540
agtttgggtg tattttcttt acctccaagg aaagaactac tagctacaaa aaatattttg 600
gaataagcat tgttttggtg taaggtagat attttggttg aagacaccag actgaagtaa 660
acagctgtgc atccaattta ttatagtttt gtaagtaaca atatgtaatc aaacttctag 720
gtgacttgag agtggaaacct cctatatcat tatttagcac cgtttgtgac agtaaccatt 780
tcagtgtatt gtttattata ccacttatat caacttattt ttcaccaggt taaaatttta 840
atttctacaa aataacattc tgaatcaagc acactgtatg ttcagtaggt tgaactatga 900
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cagaggagtg gatctgtaga agtctgtctt tctatagaaa tattgtgctt actcaagtgt 1860
taaattattt tttctatgaa ctagtctact tcttaaaatt caaacatatt cttttgatca 1920
cattgtttct tgagcatcct gccctgmyac taacttttca acaaggcaaa atggagtaaa 1980
rwggcaaytt ctttaratga gtgaaaaaaa aaa 2013
```

<210> 1610

<211> 604

<212> DNA

<213> Homo sapiens

<400> 1610

```
ggcagagcgc cgacgcagac ccctctctgc acgccagccc gccgcacccc accatggcca 60
cagttcagca gctggaagga agatggcgcc tgggtggacag caaaggcttt gatgaatata 120
tgaaggagct aggagtggga atagctttgc gaaaaatggg cgcaatggcc aagccctgag 180
atttccttca tactgggcca ggaatttgac gaagtcactg cagatgacag gaaagtcaag 240
agcaccataa ccttagatgg ggggtgctctg gtacatgtgc agaaatggga tggaaaatca 300
accaccataa agagaaaacg agaggatgat aaactgggtg tggaatgcgt catgaaaggc 360
gtcacttcca cgagagttta tgagagagca taagccaagg gacgttgacc tggactgaag 420
ttcgcattdga actctacaac attctgtggg atatattggt caaaaagata ttgttggttt 480
ccatgattta gcaagcaact aattttctcc caagctgatt ttattcaata tggttacgtt 540
ggttaaataa acttttttta gatttaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 600
aaaa 604
```

<210> 1611

<211> 979

<212> DNA

1005

<213> Homo sapiens

<220>

<221> misc feature

<222> (263)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (303)

<223> n equals a,t,g, or c

<400> 1611

```

caggggaacca ttgctggaca aggcacagga gccacctcca tttctgagct ctgcaaggga 60
caagaactag agccatcagg ggctgggctc actgtggccc caccccaagc cgtcagcctc 120
cagggatcta caccctgcct tggctgctac agctttttca ctccactgcc ctaggggagt 180
tcagcaacct aatgatctct atctctgaac atctcttcat cccatgctcc aagtccagca 240
acctgcaccc tggaaccagg agnggacct acccaggctg ttcttgaact cctgacctca 300
ggngctccgc ctgcgctggc ttcccggggt gctgggatac aggagtgagc cactgcgctc 360
ggctgatccc agcacttttc aaatgatgcc gctcaaagcc gtgacttggc ctactttgaa 420
cagcaaaactt gttgctgctg ttgtcaacct gaaggcctct caaatgccag cttcaagcag 480
ggtgtgaatt ggccagtgtc agatctcagg agtcctgtgt tgagagtgtg gctttcagct 540
gcggggagct gcacttggtg gggaaagcca ggcaggtcac cctcacagcc agataatgtg 600
gaggtcagaa cccaaggaag ggagtgaagc ctccactccc agtgggggac ctggccaccc 660
atccttgggg acctgagaaa gcgtacttca ccttgggggt aaggctgggt ggggccagag 720
ggaccagtgc cctcctcagt gcttaggggc agagccacct gcagcaatgg tatctgcata 780
ttagcccttc tccaccttct ttctcccgt gaatcatttc cctcaaagcc caagagctgt 840
cactgcttct ttctccctgg gaagaatgcg tggactctgc ctggtgatag actgaagcca 900
gaacagtgcc acaccctcgc cttaatctct tgctaggtgt tctcagatt atgagacttc 960
ttagtcaaat atgaaggga                                     979

```

<210> 1612

<211> 504

<212> DNA

<213> Homo sapiens

<400> 1612

```

gaacatagtt ctttccaaca tgtaaggctt gattcatgtg aaataaatcc tttgcaacat 60
cttcttcaca tgaatcagac ctaacatagt tctttccaac atgtaaggta aatacattga 120
ttaactttct cttttccaaa attaggttta aggatttatt tcacaaattt taaaggrgat 180
atgagtaaaa gtttttatct ttctctgact tttctcctg aacacttatg tcttagcaag 240
tggtcaacat gaggatttga acgcctaatt gttggtaaat ggttgaggca tgacaaaaat 300
attaatatcc actgtttacc atcatgttat ttgaaacaaa agtgaccatg tatactatct 360
tgcttgaaga agtctttgac agaaaaagca atatcatgtc atttataaat tttcttgttc 420
taaagaaagc agttatatat atatataaat tatgtaaata aaagttattt tatatcaaaa 480
aaaaaaaaaa aaaaaaaaaa aaaa                                     504

```

<210> 1613

<211> 1650

<212> DNA

<213> Homo sapiens

1006

<400> 1613

```

gagtacggca gcccgtcggg catcagcgtc agcaaaggca gccctgacgg cagccacccg 60
gtggtggtgg cgccctacaa cggcggggccg ccgcgcacgt gcccgaagat caagcaggag 120
gcggtctctt cgtgcaccca cttgggcgct ggacccccctc tcagcaatgg ccaccggccg 180
gctgcacacg acttccccct ggggcggcag ctccccagca ggactacccc gaccctgggt 240
cttgaggaag tgctgagcag cagggaactgt caccctgccc tgccgcttcc tcccggcttc 300
catccccacc cggggcccaa ttaccatcc ttccctgccc atcagatgca gccgcaagtc 360
ccgccgctcc attaccaaga gctcatgcca cccggttcct gcatgccaga ggagcccaag 420
ccaaagaggg gaagacgatc gtggccccgg aaaaggaccg ccaccacac ttgtgattac 480
gcgggctgcg gcaaaaccta cacaagagt tcccatctca aggcacacct gcgaaccac 540
acaggtgaga aaccttacca ctgtgactgg gacggctgtg gatggaaatt cgcccgctca 600
gatgaactga ccaggcacta ccgtaaacac acggggcacc gcccgttcca gtgccaaaaa 660
tgcgaccgag cattttccag gtcggaccac ctgccttac acatgaagag gcatttttaa 720
atcccagaca gtggatatga cccacactgc cagaagagaa ttcagtattt tttacttttc 780
aactgtctt cccgatgagg gaaggagccc agccagaaag cactacaatc atggtcaagt 840
tcccactga gtcactttgt gagtggataa tcaggaaaaa tgaggaatcc aaaagacaaa 900
aatcaaagaa cagatggggg ctgtgactgg atcttctatc attccaatc taaatccgac 960
ttgaatatcc ctggacttac aaaatgccaa gggggtgact ggaagtgtg gatatcaggg 1020
tataaattat atccgtgagt tgggggaggg aagaccagaa ttcccttgaa ttgtgtattg 1080
atgcaatata agcataaaaag atcaccttgt attctcttta ccttctaaaa gccattatta 1140
tgatgttaga agaagaggaa gaaattcagg tacagaaaac atgtttaaat agcctaaatg 1200
atggtgcttg gtgagtcttg gttctaaagg taccaaaca ggaagccaaa gttttcaaac 1260
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tgtggtttca gatgtgcaat aatttgtaca atggtttatt cccaagtatg ccttaagcag 1440
aacaatgtg tttttctata tagttccttg ccttaataaa tatgtaatat aaatttaagc 1500
aaacgtctat tttgtatatt tgtaaactac aaagtaaaat gaacattttg tggagtttgt 1560
attttgcata ctcaagggtga gaattaagtt ttaaataaac ctataatatt ttatctgaaa 1620
aaaaaaaaaa aaagggcggc cgctcgcgac                                     1650

```

<210> 1614

<211> 987

<212> DNA

<213> Homo sapiens

<400> 1614

```

gctcgtgccg aattcggcac gagtccggcac gaggtccaag ggggtgtgtg ttcacgggaa 60
tgctgagtac cagcccgggt ctccagttta ttctccaag tgccaggact gcgtgtgcac 120
ggacaagggt gacaacaaca ccctgctcaa cgtcatcgcc tgcaccacg tgccctgcaa 180
cacctcctgc agccctgggt tcgaactcat ggaggcccc ggggagtgtg gtaagaagtg 240
tgaacagacg cactgtatca tcaaacggcc cgacaaccag cacgtcatcc tgaagccccg 300
ggacttcaag agcgaccgga agaacaactg cacattcttc agctgcgtga agatccacaa 360
ccagctcatc tcgtccgtct ccaacatcac ctgccccaac ttgatgccg gcatttgcac 420
cccggtctcc atcacattca tgcccaatgg atgctgcaag acctgcaccc ctgcaatga 480
gaccaggggt cctgtctcca ccgtccccgt caccacggag gtttcgtacg ccggctgcac 540
caagaccgtc ctcatgaatc attgctccgg gtccctgcgg acatttgtca tgtactcggc 600
caaggcccg gcccgtggacc acagctgtct ctgctgcaaa gaggagaaaa ccagccagcg 660
tgaggtggtc ctgagctgcc ccaatggcgg ctgctgaca cacacctaca cccacatcga 720
gagctgccag tgccaggaca ccgtctgcgg gctccccacc ggcacctccc gccgggcccc 780
gcgctccctc aggcactctg ggagcgggtg agcggggtg gcacagcccc cttactgccc 840

```

1007

```

ctcgacagct ttacctcccc cggaccctct gagcctccta agctcggcct cctctcttca 900
gatattttatt gtctgagtct ttgttcagtc cttgctttcc aataataaac tcagggggac 960
atgcaaaaaa aaaaaaaaaa aaaaaaaa                      987

```

```

<210> 1615
<211> 1487
<212> DNA
<213> Homo sapiens

```

```

<400> 1615
gcttgtcatg agaaggtggt aaatatccaa aaagaccccg gtgaatctct cggcatgacc 60
gtcgcagggg gagcatcaca tagaraatgg gatttgcccta tctatgtcat cagtgttgag 120
cccggaggag tcataagcag agatggaaga ataaaaacag gtgacatttt gttgaatgtg 180
gatgggggtcg aactgacaga ggtcagccgg agtgaggcag tggcattatt gaaaagaaca 240
tcatcctcga tagtactcaa agcttttgaa gtcaaagagt atgagcccca ggaagactgc 300
agcagcccag cagccctgga ctccaaccac aacatggccc caccagtgga ctggtcccca 360
tcctgggtca tgtggctgga attaccacgg tgcttgata actgtaaaga tattgtatta 420
cgaagaaaca cagctggaag tctgggcttc tgcattgtag gaggttatga agaatacaat 480
ggaaacaaac cttttttcat caaatccatt gttgaaggaa caccagcata caatgatgga 540
agaattagat gtggtgatat tcttcttgct gtcaatggta gaagtacatc aggaatgata 600
catgcttgct tggcaagact gctgaaagaa cttaaaggaa gaattactct aactattgtt 660
tcttggcctg gcactttttt atagaatcaa tgatgggtca gaggaaaaca gaaaaatcac 720
aaataggcta agaagttgaa acactatatt tatcttgta gtttttatat ttaaagaaag 780
aatacattgt aaaaatgtca ggaaaagtat gatcatctaa tgaaagccag ttacacctca 840
gaaaatatga ttccaaaaaa attaaaacta ctagtttttt ttcagtgtgg aggatttctc 900
attactctac aacattgttt atattttttc tattcaataa aaagccctaa aacaactaaa 960
atgatttgta taccctactg aattcaagct gatttaaatt taaaatttgg tatatgctga 1020
agtctgccaa gggtagatta tggccatttt taatttacag ctaaaatatt ttttaaaatg 1080
cattgctgag aaacgttgct ttcacaaac aagaataaat atttttcaga agttatagtt 1140
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agaaatggct aaagctcttt ttttccacaa tcgttagtaa ctgtataaaa actcatgctg 1380
ctccaccagt gggccttgga aaatgcatca agaaggccaa accagcttga ccttggttya 1440
cagacatggt catgaggcga tttaaatttg tgctctgccg ctctgcc                      1487

```

```

<210> 1616
<211> 713
<212> DNA
<213> Homo sapiens

```

```

<400> 1616
acacccaata atcagtcatg tgtaatatgc acaagtttgt ttttgttttt gttttttttg 60
ttggttggtt tgtttttttg ctttaagttg catgatcttt ctgcaggaaa tagtcaactca 120
tcccactcca cataaggggt ttagtaagag aagtctgtct gtctgatgat ggataggggg 180
caaatctttt tcccckytct gttaatagtc atcacatttc tatgccaaac aggaacratc 240
cataacttta gtyttaatgt acacattgca ttttgataaa attaatTTTTg ttgtttcctt 300
tgaggttgat cgttgtgttg ttgttttgct gcacttttta ctttttttgcg tgtggagctg 360
tattccccgag accaacgaag cgttgggata cttcattaaa tgtagecgact gtcaacagcg 420
tgcagggttt ctgtttctgt gttgtggggt caaccgtaca atgggtgtggg agtgacgatg 480
atgtgaatat ttagaatgta ccatattttt tgtaaattat ttatgttttt ctaaacaat 540

```

1008

ttatcgtata ggttgatgaa acgtcatgtg ttttgccaaa gactgtaaat atttatttat 600
 gtgttcacat ggtcaaaatt tcaccactga aaccctgcac ttagctagaa cctcattttt 660
 aaagattaac aacaggaaat aaattgtaaa aaaggttttc tataaaaaaa aaa 713

<210> 1617

<211> 3522

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3503)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3507)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3508)

<223> n equals a,t,g, or c

<400> 1617

agtccggaat tcccgggttt gntgacgcgt ccgcagcaag gtgcctcgct gtgtcaacac 60
 tcagcctggc tccactgcc tgccctgccc gccccgatac agaggggaacc agcccgtcgg 120
 ggtcggcctg gaagcagcca agacggaaaa gcaagtgtgt gagcccgaaa acccatgcaa 180
 ggacaagaca cacaactgcc acaagcacgc ggagtgcac tacctgggyc acttcagcga 240
 ccccatgtac aagtgcgagt gccagacagg ctacgcgggc gacgggctca tctgcgggga 300
 ggactcggac ctggacggct ggcccaacct caatctggtc tgcgccacca acgccaccta 360
 ccaactgcac aaggataact gccccatct gccaaattct gggcaggaag actttgacaa 420
 ggacgggatt ggcgatgcct gtgatgatga cgatgacaat gacgggtgtga ccgatgagaa 480
 ggacaactgc cagctcctct tcaatccccg ccaggctgac tatgacaagg atgaggttgg 540
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 caattgtccc tacgtctaca aactgacca gagggacacg gatgggtgac gtgtggggga 720
 tcaactgtgac aactgcccc tggtgcacaa cctgaccag accgacgtgg acaatgacct 780
 tggtggggac cagtgtgaca acaacgagga catagatgac gacggccacc agaacaacca 840
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 agatgatatt gacaatgaca acatcccaga tattgatgat gtgtgtcctg aaacaatgc 1080
 catcagttag acagacttca ggaacttcca gatgggtccc ttggatccca aagggaaccac 1140
 ccaaattgat cccaactggg tcattcgcca tcaaggcaag gagctgggtc agacagccaa 1200
 ctcggacccc ggcacgcgtg taggttttga cgagtttggg tctgtggact tcagtggcac 1260

1009

```

attctacgta aacactgacc gggacgacga ctatgccggc ttcgtctttg gttaccagtc 1320
aagcagccgc ttctatgtgg tgatgtggaa gcaggtgacg cagacctact gggaggacca 1380
gccacgcggg gcctatggct actccggcgt gtccctcaag gtggtgaact ccaccacggg 1440
gacgggcgag cacctgagga acgcgctgtg gcacacgggg aacacgccgg ggcaggtgcg 1500
aaccttatgg cacgacccca ggaacattgg ctggaaggac tacacggcct ataggtggca 1560
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tgtcttctct caagaaatgg tctatttctc agacctcaag tacgaatgca gagatattta 1740
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cggttccaga tgtggatttg gcaaaacctc atttaagtaa aaggttagca gagcaaagtg 2520
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gcaactccat ttaccagtaa cttattttta atatgcctag taacacatat gtagtataat 2820
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tttgttgttt cctttgaggt tgatcgttgt gttgttgttt tgctgcactt tttacttttt 3420
tgcggtgtga gctgtattcc cgagaccaac gaagcgttgg gatacttcat taaatgtagc 3480
gactgtcaac agcaaaaaaa gancctnnaa aataataagg aa 3522

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<210> 1618

<211> 902

<212> DNA

<213> Homo sapiens

<400> 1618

```

ggccaacccat cagtattttc cccccacaac atgtgtaaca cttttcagtc tgtggatata 60
tgatacatta agatttcttt ttataagtat tcattttgaa tgtgcatata gttatttgac 120
cccttccaaa tacttgtagc caaacattgg ctagaacatc ccaagatatg ctgacactgt 180
cctgttagct tcatattata cttgctagtt taggtctcta tagaagccct atataattta 240
gaatatgccc actgaatata tttaatagaa agtaacataa agctagtatt caatgtagag 300
tattttcata tgtttttcac agcccgttac aaattggcaa tgttttggtta atgtttgtat 360

```

1010

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tacttggaac tgcctacagc ttggactatt tttttctaaa ttttttagcat tagtccattt 420
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<210> 1619

<211> 1158

<212> DNA

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<400> 1619

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1011

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1158

<210> 1620

<211> 2260

<212> DNA

<213> Homo sapiens

<400> 1620

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<210> 1621

<211> 1077

<212> DNA

<213> Homo sapiens

1012

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 <223> n equals a,t,g, or c

<220>
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<220>
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<210> 1622
 <211> 2377
 <212> DNA
 <213> Homo sapiens

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 <222> (6)
 <223> n equals a,t,g, or c

<220>
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 <223> n equals a,t,g, or c

1013

<220>
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<220>
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 <223> n equals a,t,g, or c

<400> 1622

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1014

<210> 1623

<211> 1258

<212> DNA

<213> Homo sapiens

<400> 1623

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<210> 1624

<211> 2469

<212> DNA

<213> Homo sapiens

<400> 1624

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1015

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<210> 1625

<211> 1281

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1224)

<223> n equals a,t,g, or c

<400> 1625

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1016

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<210> 1626

<211> 1355

<212> DNA

<213> Homo sapiens

<400> 1626

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<210> 1627

<211> 1188

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1164)

<223> n equals a,t,g, or c

<220>

1017

<221> misc feature
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 <223> n equals a,t,g, or c

<220>
 <221> misc feature
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<220>
 <221> misc feature
 <222> (1176)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1178)
 <223> n equals a,t,g, or c

<400> 1627
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 aggcttaagg aactagagag tgcctgcaa caagtggatg gatttgaaaa gcccaagcta 240
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 aacacttatg atgacattga aaataaaagtc gttgcagatc taggatgtgg ttgtggagta 360
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 ttcccaacag ttgcgcagcc tgaatggcga atgggacgag ccctgtagcg gcgcattaag 1140
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<210> 1628
 <211> 1389
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (10)
 <223> n equals a,t,g, or c

1018

<220>

<221> misc feature

<222> (64)

<223> n equals a,t,g, or c

<400> 1628

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agtgaaagtt tcttttgaag gtaaaccttc ctgagaatgg ctttctctct cctgataaac 180
tgtctttgct ggaaaaactc ctacccgaga ggaagggaagt ggaagagact gatgagatgg 240
accaagtaga actggtggac tttgatccaa atcaggaaaag acggcgccac tacaatggag 300
aagcatatga ggatgatgaa catcatccca gaggtggtgt tcagtgtcag acctcttaat 360
gggccagtga ataacactca ctgctggcat ttaatgtgca gtagtgaatg agtgaaggac 420
tgtaatcata atatgctcac tacttgctct tgtttttggt ttaataaact atagtagtgt 480
twtaaaaagt taaatgaaga ataaacgcaa atataaaagc tctgattttg ccctgtatgt 540
atgatgactt cagtgtgcaa gatgaagttt aatacctgta aaaactacaa agaagttccc 600
ctagcatttc taggccaacac cttgtaattg acttcagcta tgtacgtgga caagcttaga 660
ctgaaatgct aggtatatgt attggcttca gtgtatgacc cttcattggt aagctatgaa 720
agtaaaactc tgtatttaac tggcaatgag gaaaaaaaaa tttttagtag aagtgttggg 780
ctgtatagtt ctttatatta agtgggattc attgtaatgc ctctgcattt attctgttgc 840
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aaaaaaaaag                                     1389

```

<210> 1629

<211> 621

<212> DNA

<213> Homo sapiens

<400> 1629

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ctggtgtgacc aggggtctaa tcaggcctgt gtctgcctcc ttcttgaata gcccagtgaa 180
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gaccagtgtt gtctcccggt acattgacac agcagccaag ttatttggtg ctggggcagc 300
cacagttggt gtggctggtt caggggctgg cattggaacc gtgtttggca gcttgatcat 360
tggctatgcc aggaaccggt ctctcaagca gcagctcttc tcctatgcca ttcttggctt 420
tgccctgtct gaggccatgg ggcttttctg tttgatggtc gccttctcct tcctcttcgc 480
catgtgagggc tccatggggg gtcaccggcc tgttgctact gcaactccac accattcttg 540
gtgctgggggt gtgttaagct ttaccattaa acacaacggt tctctaaaaa aaaaaaaaaa 600
aaaaaaaaaa aaaaaaaaaa a                                     621

```

<210> 1630

<211> 1158

1019

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (888)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (948)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1053)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1156)

<223> n equals a,t,g, or c

<400> 1630

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tttaattagg ggaggtatca ttgtctacgg ccccatctca cagcccacag ctttcctcc 180
aagggacttg tagccaccat cctgcccctct gccacagctt acctctgatg ttccagaggg 240
agagaaaggg ttccaaacag cggactgggt aaattttccc aaaacttggg tctaaaaagg 300
gaaataaatg tttgaaatca taactttttc cctctcacag tcattttctc ctctctcaag 360
ctcccttttg tggtcacttc atattttacc agtctcaatc ctaatatgtg tctgataagt 420
cagttgttcc cgtataaatg aaagggttcc atagataaaa ttacattttc ctctcatgaa 480
tcacacttat gcattataga gttgatcaat aaaaactctt caagattcct tccactgtag 540
attcccaaaa gccccacaga agaggaggga gggaaataag acagcagact cccaaattta 600
gccttttaac actccttccc ttgtgtccag cagggtccaat agaacggaat gtttcattca 660
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ttkgatgcag ctagttagca aaaggcagga acacaaaagc aactgaacct tccaggtgct 780
taatatttaa agatccttaa tacttgcagc agcattagaa agagaattag tgtaaaactc 840
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ctgcaagaag ggacangt 1158
```

<210> 1631

<211> 679

<212> DNA

<213> Homo sapiens

<400> 1631

1020

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tacaaaatga gtttatcaac tgtttgttat tggtaagtca gcagtgggct attgggtggtt 120
aagttttggg ggagtcaaaa gttacatgca aattttttac tgtgcggggg gtcagcatcc 180
ctaaccocat gttgttcaag ggtcaactgt agtttaaaat gactcctgtc tcaaaaaacc 240
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aatgtactga aaagtgtggc tagttatggt tgatccacat tctagagaaa tttgtagggtt 360
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ctgatgtggc cctgctctgt cccagcttag cagctttagt gtatggaaaa attgaactag 480
gaattgagtt ttgaagaaat aaagggtgtaa gagcaaacat tcaacagttg ctgtccccag 540
taatgaagtt catacagaca aaagatggca tgtcactgta catcatacct tgcaataaat 600
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aaaaaaaaaa aaaaaaaaaa

```

<210> 1632

<211> 4601

<212> DNA

<213> Homo sapiens

<400> 1632

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tgcagcctcc cgcgccctcc cgcaacgctc gaccccagga ttcccccggc tcgcctgccc 120
gccatggccg acaaggaagc agccttcgac gacgcagtgg aagaacgagt gatcaacgag 180
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gatttcagca ttcctcgact tgtcctgggg acacacacat cggatgaaca aaacctctt 360
gttatagcca gtgtgcagct ccctaagtat gatgctcagt ttgatgcgtc acactacgac 420
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tgacacctga ctttcagga tgcacatttt catacgtaga ccagtttcct cttggtttct 1920

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1021

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tcagttaagt caaaacaaca cgttcctctt tccccatata ttcatatatt tttgctcggt 1980
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ggaaattgat gcttttagtga ggggtgttggc tatcctattg tcaatttctt gcatectttt 4560
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```

<210> 1633

<211> 376

<212> DNA

<213> Homo sapiens

1022

<400> 1633

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ctgccagacc cacggagggt tcgcgaagga aggggcatcc tccttcttga gctgcaagct 180
ttagctgagg cagtaagtca cacagtagtt agttcagcct gggctggcac ataagtcccc 240
agtgtccctg ttgagagggg aaagttgcct gctgggttgaa aaactggctt ttcctttctc 300
gctgcctaata ttcactctca gagtgaggca ggtaactggg gctccactgg gtcactctga 360
gaggggtgtg gctctg                                     376

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<210> 1634

<211> 3643

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3563)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3581)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3599)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3628)

<223> n equals a,t,g, or c

<400> 1634

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gaccatgata ctgtggataa aatcgtattg cagaaatacc ataccatcaa tggtcataat 120
gcagaagtaa gaaaggcttt gtctagacaa gaaatgcagg aagttcagag ttctaggagt 180
ggaagaggag gcaacttttg ctttggggat tcacgtggtg gcggtggaaa tttcggacca 240
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gcagaagaca ccagagcaga tgcagagagc cattttgtga atggattgga ttatttaata 840
acattacctt actgtggagg aaggattgta aaaaaaatg ctttggagac agtttcttag 900
ctttttaatt gttgtttctt tctagtggtc tttgtaagag tgtagaagca ttccttcttt 960

```

1023

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<211> 4051

<212> DNA

<213> Homo sapiens

1024

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<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (2234)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2278)
<223> n equals a,t,g, or c

<400> 1635
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1025

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<210> 1636

<211> 1242

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1210)

<223> n equals a,t,g, or c

<400> 1636

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1026

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<210> 1637

<211> 2124

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<400> 1637

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1027

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<210> 1638

<211> 1435

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1419)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1426)

<223> n equals a,t,g, or c

<400> 1638

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1028

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tatatatgga tgcagaagta ttgcaagagt ccattttcca tttttaaatc tgcaatatct 1080
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<210> 1639

<211> 1631

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1084)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1612)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1613)

<223> n equals a,t,g, or c

<400> 1639

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1029

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cgtttcttca tgagaaagta ttcacctctg ctctctgaag ggcatttagg ggcatttcta 1380
tggcaaagct atagggtgat actgtaccag gtgttgcaaa atgattataa aagccagaat 1440
gtaagtttgg cgataaaata gtgtgttgag gagacttaat tgtatccaag gcagggttaga 1500
gctagtgtat gttactgtga attgtaatgt agttggattg tacaaattac tgcaaatgta 1560
tacatgttac tcttagtaaa taataaacat cttaatatgt cctacggtca annaaaaaaa 1620
aaaaaaaaa a 1631

```

<210> 1640

<211> 853

<212> DNA

<213> Homo sapiens

<400> 1640

```

gaataaaccc aacctacaga gcatcatagc ttagcctagc ctgctttaa tgtgctcaga 60
aaacttccat tagcctgcaa ttaggcaaaa tcatcaaaaca taaaaccatc aaacataaaa 120
tatttataaa gtgttgaaata tctcatatag tttattgaat acctgcatcc aaaagatgct 180
ggcaacacag cacacttttag agcattgggt gtttactctc ttgatgggtat ggctgcccag 240
catcaagagt tatcatactg caaatcgata gcccaggaaa agagcaaaaat tcaaagttca 300
aagtagagtt tttactgaat gcttgctttt gcaccgtcgt aaagttgaaa agaatttaaa 360
ttgaaccatc ataagctgca gactgtgcat tttatattga aaagttaata tttttaattt 420
ttaatgcaga gaagtaccca aagcataaga acacaacaca ttttcacaaa gcaaacacag 480
ccatggaacc agcaccata tcaactaaca aaatactagt ttgggctttt ttgtacttta 540
tacaaatgga ctcatataat gtccatcttt tgggtctgcc tgctttcatt caatattagg 600
tttgtgggtt catctctgct gtgtgtagtt ctttctctgt ctttatacag tgttccaaag 660
tatagtatat tacagtttac ccattctact cttgatagta aatgttttca catttgggct 720
attacaaata gtgctgcagt gaacattcac atacacatct tttggtgaac atgtgttaca 780
tttccaagta caattgctgg gtgatgagta tgcatactct taaaacatgg ttgtaccaat 840
ttacacctct acg 853

```

<210> 1641

<211> 688

<212> DNA

<213> Homo sapiens

<400> 1641

```

gggcagatgc gtggaagcac tgtcttggtg atctggggta agatccaaga gaattccctg 60
cattaccagg cagagactct tttcccttc tcttgccctc ctgcaaaaca atggagtctc 120
tctccatact grgctccctg gatcctgggg caggggtgac acaagagccc atatggccac 180
caccactggg actgcactgg atcagacct aagccagggc aacactgggt cttgcctaag 240
gccacagtg accactgcct ggctattgct gatgttcacc caaggcccag gggctkttca 300
gtcagcagtt ggtgaaccca gccagaccca tgtccttccc ttcaaggcaa taagcttttc 360
tccctgctgg cccaagtggg ttcccttctg gccctgggtg tgtctgga aa tgtcatctgg 420
gagctagggc ctggatgagt gcatcagggc tctgcctggc accctatcct actgtggctg 480
agctgggtgta caagttgcaa gacagtcttc tttactcctc ctctcctct cctgtagcag 540
aaagaaggaa tctctcccaa agctgcgagc tgtactgctt ggggttgggg gaggggtggc 600
acaagcactc ccttagccac cctggctggt gtctcactaa tttgtgtgca cccaagtcc 660
actggctcca agggcagcgc agcaccat 688

```

<210> 1642

<211> 1916

<212> DNA

1030

<213> Homo sapiens

<400> 1642

```
gcgcccgcgt cgtgcgtgcc gctcggcgga ggggacgggc ctgcgttctc tcctccttcc 60
tccccgcctc cagctgccgg caggaccttt ctctcgctgc cgctgggacc cegtgtcatc 120
gcccaggccg agcacgatgc cccctaaaaa gggaggtgat ggaattaaac ccccccaat 180
cattggaaga tttggaacct cactgaaaat tggattgtt ggattgcaa atgttgggaa 240
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cactattgat cctaattgaga gcagagtacc tgtgccagat gaaaggtttg actttctttg 360
tcaataccac aaaccagcaa gcaaaattcc tgcctttcta aatgtggtgg atattgctgg 420
ccttgtgaaa ggagctcaca atgggcaggg cctggggaat gcttttttat ctcatattag 480
tgctgtgat ggcattcttc atctaacacg tgcttttgaa gatgatgata tcacgcacgt 540
tgaaggaagt gtagatccta ttcgagatat agaaataata catgaagagc ttcagcttaa 600
agatgaggaa atgattgggc ccattataga taaactagaa aagggtggctg tgagaggagg 660
agataaaaaa ctaaacctg aatatgatat aatgtgcaa gtaaaatcct gggttataga 720
tcaaaagaaa cctgttcgct tctatcatga ttggaatgac aaagagattg aagtgttgaa 780
taaacactta tttttgactt caaaaccaat ggtctacttg gttaatcttt ctgaaaaaga 840
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ccaaattgta gaagcttttc aggaaccata ttactctcat gatacttcat taatctccat 1620
cctgtatgcc aagcctgaca catttgacag tgaggacaat gtggcttgct cttttttgaa 1680
tctacagata atgcattgtt tacagtactc cagatgtcta cactcaataa aacatttgac 1740
aaaacaaaaa aaaaaaaaaa aaaagtacta gtaacgggtc ttgttccatc tcgagggggg 1800
gcccgggtacc aggtaagtgt acccaattcg cctatagtgt agtcgtatta caattcactc 1860
gatcgccctt cccaacagtt gcgcaacctg aatggcgaat ggagatccaa ttttta 1916
```

<210> 1643

<211> 1344

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1338)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1343)

<223> n equals a,t,g, or c

1031

<400> 1643

```
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tgcagccgga gaccagccta cagccgcctg catctgtatc cagcgccagg tcccgccagt 120
cccagctgcg cgcgccccc agtcccgcac ccgttcggcc caggctaagt tagccctcac 180
catgccggtc aaaggaggca ccaagtgcac caaatacctg ctgttcggat ttaacttcat 240
cttctggctt gccgggattg ctgtccttgc cattggacta tggctccgat tcgactctca 300
gaccaagagc atcttcgagc aagaaactaa taataataat tccagcttct acacaggagt 360
ctatatcttg atcggagccg gcgcccctcat gatgctggtg ggcttccttg gctgctgctg 420
ggctgtgcag gagtcccagt gcatgctggg actgttcttc ggcttcctct tggatgatatt 480
cgccattgaa atagctgcgg ccattctggg atattcccac aaggatgagg tgattaagga 540
agtccaggag ttttacaagg acacctacaa caagctgaaa accaaggatg agccccagcg 600
ggaaacgctg aaagccatcc actatgcgtt gaactgctgt ggtttggctg gggggcgtgga 660
acagtttatc tcagacatct gcccgaagaa ggacgtactc gaaaccttca ccgtgaagtc 720
ctgtcctgat gccatcaaag aggtcttcga caataaatc cacaatcatg gcgcagtggg 780
catcggcatt gccgtgggtc tgatatttgg catgatcttc agtatgatct tgtgctgtgc 840
tatccgcagg aaccgcgaga tggcttagag tcagcttaca tccctgagca ggaaagttaa 900
cccatgaaga ttgggtgggat tttttgtttg tttgttttgt tttgttttgt gtttgttgtt 960
tgtttttttg ccactaattt tagtattcat tctgcattgc tagataaaaag ctgaagttac 1020
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ggttttgctt ggttttatatt ttttcagttg tttgtttttg cttgtttatat taagcagaaa 1140
tcctgcaatg aaagggtacta tatttgctag actctagaca agatattgta cataaaagaa 1200
tttttttgtc tttaaataga taaaaatgct tatcaacttt aatcaagttg taacttatat 1260
tgaagacaat ttgatacata ataaaaaatt atgacaatga aaaaaaaaaa aaaaaaaagg 1320
gcggccgccc cagaggancc ccng 1344
```

<210> 1644

<211> 1109

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1075)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1077)

<223> n equals a,t,g, or c

<400> 1644

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ttgttgacca gctaccctga gccaggcacc accctgaagg agcttctttt cctctgggga 60
gaagcaaatt catgatgtgt gtgctggaga tctggcactc atggccagtg ctttccagta 120
tcttgaactc ttcgggggtc ctgttgacct atttcgtgac ctacctccgt gactgctctt 180
tttcctctgt ctcttaagtg tgatggtttt ccagagtcca atcctcagga ctttcccgtc 240
cacacacagg cctggtagtc aggtggctct aaaccattag gtgggttgta gacctctctc 300
aagctgccac ctccctgctg tcgccagatc gtatttcagt ctgtcagggg ttatctgtat 360
ctggagggtc cactgttgct tcagtctcag ttacttagaa tggaaccagg agtcctgccc 420
ctttccacct acatgctctt acttgaaagc acctgagact tattgggtcc ctgattcctg 480
cttcgtctgt atccgcagag tagttgcatg tcatttggcc tgttttctaa ataataccac 540
atcatgtcct ccctgcactt acattgccac tgctctgatt tgggcttttt tttttttggg 600
```

1032

```

acaatgcctc tgtcccaatt ctgagtaaca gctctgggtc ttgccactac cagagttctc 660
tagcaaactc gagcatctga cagggtgaaa aattctgaat ggcttcctga tgcctgactt 720
tatgggatca aattcaagtt gcacgtgca ctcaagtccc ttctggatc atctgccaag 780
accagggcct gcttcaccac agccacaata aagtcctttc aagccctgaw aatgccatgt 840
tttgtcctaa ccttttgctg cagttaatta ctcttctat tatcttccat gaacttaaga 900
ctggggcaaaa atgtttcctt atctgtgagc cactctgaac acaaacaggt catgaagata 960
gtgttgaaaa caataaatga caaccaaaag gaaaagtggg atattaccta gttacaaata 1020
gtgtaaattg agacmgaaat gttaaagcta gaaagcaagg ggcaatattt ctagnantac 1080
aaattagtgg cttggcctac tacaatatt 1109

```

<210> 1645

<211> 2173

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2170)

<223> n equals a,t,g, or c

<400> 1645

```

acagagattt gatttctaatt gctatgaatt ggaccagttg gctgacatgc cacaagaaac 60
ttcatattaa gaaacctgct aatatttttag ttatgggtga aggtcctgag cgaggaagag 120
taaaaattgc tgacatgggc tttgccgatt atttaattca cctttgaagc ctttagcaga 180
tttggatcca gtggttgta cattctggta cccagcccct gaactacttc ttggagcaag 240
gcattatacc aaagctattg atatttgggc tatagggtgt atatttgcag aactactaac 300
gtcagaacca wtatttctact gtcgacaaga ggacatcaaa actagtaatc cttatcacca 360
tgaccagctg gacagaatat tcaatgtaat gggatttctt gcagataaag attgggaaga 420
tataaaaaag atgcctgaac attcaacatt aatgaaagat ttcagaagaa atacgtatac 480
caactgcagc cttatcaagt atatggaaaa acataaagtt aaaccagata gtaaagcatt 540
ccacttgctt cagaagctgc ttaccatgga cccaataaag cgaattacct cagaacaggc 600
tatgcaggac ccctatttct tagaagacct acttcttaca tcagacgttt ttgccgggtg 660
tcaaatecct taccacaaac gagaattttt aacggaagaa gaacctgatg acaaaggaga 720
caaaaagaac cagcagcagc agcagggcaa taaccacact aatggaactg gccacccagg 780
gratcaagac agcagtcaca cacagggacc cccgttgaag aaagtgcagag ttgttcctcc 840
taccactacc tcaggtggac ttatcatgac ctcaactatc cagcgttcca atccacatgc 900
tgcctatccc aaccctggac caagcacatc acagccgcag agcagcatgg gatactcagc 960
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atcttgacca tgcactgttg cgaatgctgc agggctgact gtgcagctct ctgcgggaac 1080
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cattatctga ccaatagtac acacacagac acaaagttta actggtactt gaaacataca 1440
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tagtgtctta tcagtgggct gattcatttt ctacattaat cagtgttttc tgaccaagaa 1560
tattgcttgg atttttttga aagtacaaaa agccacatag tttttccaga aaggtttcaa 1620
aactcccaaa gattaacttc caacttataa gtttgttttt attttcaatc tatgacttga 1680
ctggtattaa agctgctatt tgatagtaat taaatatgtt gtcattgata taaacctgtt 1740
tggttcagca aacaaactaa aatgattgtc atagacagtg ttttattttt cctgttggtg 1800

```

1033

```

ttgctgattt gtgagcatgc ttttaagatga aaaaagcatg aatgataact tccttaaaaa 1860
gggtgcggcat ccaattcaaa tattttcgtc ctgatttttaa agctggttgg tgtagtgcta 1920
ttaaaatttc gttcagttaa ttttcctttt gaaaacttgt tcgcacgttg tttaggggtgc 1980
ccttacttca gcaaaggaga aggagtagga gagccttaga atttttgagg aaaaaaaaaac 2040
ctataacata caatgtactg tatcaaacta ttttacatga atgacacaag tattctgaat 2100
aaaaaataat tgaacattgt taaaaacaag gtgttatgta ataaatttat ttttcataaa 2160
tcaaaaaaan aaa 2173

```

<210> 1646

<211> 1394

<212> DNA

<213> Homo sapiens

<400> 1646

```

ggcggcgctct tccgggggcct ggcggggccgg ggaccgaggg ggcgggggagg tgacccggcg 60
ggggcgggagc cagcggggcgg gcgcggcgcg ggaggcgacc atgcgcggcg cggggggcgat 120
cctgcggccg gcggcgcggtg gtgcccggga cctgaacccg cggcgggaca tctcctctctg 180
gctggcccag tgggtcccta gaacccagc cagggtccgtg gtggccctga agaccccat 240
caagggtggag ctggtggcag ggaaaaccta cagggtggtgt gtgtgtggcc gcagcaagaa 300
gcagcccttc tgtgacggct cccacttctt ccaacgcact ggcctatctc cactcaagtt 360
caaggcccaa gagacccgca tgggtggcact ctgtacctgc aaggccactc agaggccccc 420
gtactgcgat ggcaccacaca ggagtggcgc cgtgcagaag gcagaagtgg gctccccact 480
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ctcatgaagg aagaattatt ccttataacc taaaagtctc cagtctgggg caggcgggag 660
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tgaccagggtg accgggcctc agactcggac gccccgctgg tgttggtgcc tcggaggggt 1320
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cgttccgccc cagg 1394

```

<210> 1647

<211> 725

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<400> 1647

```

tacaggccng gtccattaac cagccaggga atgaacmtca gcagacagty tcccmccctg 60

```

1034

```
aatttattgc cctctagtgc gcacttcagg ccttccacct acaaaaaatc ttcaggcccc 120
ctcaaagcta mcaaactcat catccactgg aactgttggg aagacagctt gagtggaatt 180
gcaatgaatg tacctgccag cagaggtagc aaccttaact caagcggagc taataggact 240
agtctgtctg ggggaacagg aagtggaaca cagggtgcta ccaaaccatt gtctactcca 300
catagaccat ccactgcctc aggggtcttca gtggtaacag ccagtgtgca gaagctcatt 360
cacacagaag acccatttaa tgatgaacat caggagaggc aagagggtgga aatgttggct 420
aagaagtttg aaatgaaata ttatgatgaa ttagttcccg cttctctaac aacaaaatat 480
ggaggctttt atatcaacac tggcactcta cagtttccgc aagcttcaga tactgaagaa 540
gatgatatta cagacaacca aaagcacaag ccaccaagg tccccaaat aaaagaagat 600
gatattgaga tgaagaagcg gaagcggaaa gaggaagggg aaaaggagaa gaagccaagg 660
aaaaaagttc ccaaacaact gggagttgtg gctctaaatt cacacaagtc tgaaaaaaaa 720
aaaaa                                           725
```

<210> 1648

<211> 1593

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (697)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1032)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1078)

<223> n equals a,t,g, or c

<400> 1648

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ggctggatcg cgttgtcccc cctggcgcg cgcagcgcc tgccgggtggc cactcgcgcg 60
gtgctcatca ccgggctgtg actctggttt tggcaaggag acggccaaga aactggactc 120
catgggcttc acgggtgctgg ccaccgtatt ggagttgaac agccccggtg ccatcgagct 180
gcgtacctgc tgctccccct gcctaaggct gctgcagatg gacctgacca aaccaggaga 240
cattagccgc gtgctagagt tcaccaaggc ccacaccacc agcacgggcc tgtggggcct 300
cgtcaacaac gcaggccaca atgaagtagt tgctgatgag gagctgtctc cagtggccac 360
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gccatatccg tgcttggggg cctatggaac ctccaaagcg gccgtggcgc tactcatgga 540
cacattcagc tgtgaactcc ttccctgggg ggtcaaggte agcatcatcc agcctggctg 600
cttcaagaca gagtcagtga gaaacgtggg tcagtgggaa aagcgcaagc aattgctgct 660
ggccaacctg cctcaagagc tgctgcaggc ctacggnaag gactacatcg agcacttgca 720
tgggcagttc ctgcaactgc tacgcctggc catgtccgac ctcaccccag ttgtagatgc 780
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ccaccacagg acgcagccca ggacccaaac ctgagccccg gcccttcccc agcagtgggt 1020
```

1035

```

cgggtgagcat gntgcaccta tggcccagcc actgcagcac aggaggctcc gtgagcctt 1080
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ggctaaatcc caagtgtctc ttgactggct caagaattag ggccccaact acacaccccc 1500
aagccacagg gaagcatgta ctgtacttcc caattgccac attttaataa aagacaaatt 1560
tttatttctt ctaaaaaaaa aaaaaaaaaa aag                                     1593

```

<210> 1649

<211> 572

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (90)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (228)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (244)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (475)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (553)

<223> n equals a,t,g, or c

<400> 1649

```

aaagaactgt gtgagaacac tgaaaactca aaaagtcaga atgccttctt tctccaaat 60
gactgtatca actctccagc aagtgttcan aactgggctg aggctgagat gtctggaatg 120
atacaagcag ggttcaggat atgcgtagga acaaagttca ctgagtgaat gaagtatgtt 180
gtcatgcaat acaagtgcgc taaaaatcat tgtaaaacat tgcagganct aacagacaaa 240
atancaagta taaagaagac ataaccgacc tratagagct gaaaagcaca ctasaagaat 300
tttcataatg cartcacatg gtgattatgt gtgactggat tatgaaaatt attgtagtgt 360
gtgtgggcac ccgagattgc cctgtaagca ggacgcctgc acattacctc tccatactgc 420
agccctttat atggaaaactt cctacatcac tttgctgtgt gtgtttacac atgtnggggt 480
ttgctgtact tgccctgaca gcacaccggg agtgcaggcc acacccaac ccacaccaac 540

```

1036

tgccacttga aanacaaaac cttgggtggg gc

572

<210> 1650

<211> 405

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (85)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (303)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (353)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (384)

<223> n equals a,t,g, or c

<400> 1650

```

gcactagcgc tatcacattc tctccgggat ttccccccct gctctgtggc ttcttgttga 60
gaggttgttt gggttatggtt tagcngttga aaagattcag gttatccttt taaatgactt 120
tacgttttag tggagctggg agattacttg cctggcttct aatcttcacg ttgggttcatt 180
ttatttccat atgtgtgtgg gttatttgtt cagtaattag aattagataa agtattctgc 240
ttttaagtag ttttgagaag gcctaaaaat actaaagtgt attcataaat atttttatta 300
tgntcaagta gaagacacac ctttgccatg taaattttaa cttttcttca agncttcagt 360
gaatctacag acctattttc tcangagctc aacctggcct tactt 405

```

<210> 1651

<211> 995

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (919)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (987)

<223> n equals a,t,g, or c

1037

<400> 1651

```
gcaaaaccaa caaaacaacc aaatacaggt ctcaagcgat ttacagctcg gtgcttaact 60
cggtcaccgg ccgaggggca gccctctggc gccaaagccc cgcctctcta tgacgtcaca 120
cgaggagccc tgaagtggcg gtcaagcttg aggcgtcatc tggctgcgct aagtgggccg 180
ttgccttaca gttgctgaga ggaggcgaga ggcggggggc ctagggccga gatcatgtct 240
gactgggaga ggtttccttg gcagcagagg acgctagggt tgggatgaaa gaagctgggc 300
agatgcaaaa tctggagagc gcgagggccg ggcggtcagt cagcaccag actggcagca 360
tgaccggtga gtgtccggga ccctgctccc gccaccctac ctttcgctct gccctgtgcg 420
tctcccgtca ttgaactcca gattccttgt ctgagcctct ttgcctcccc tgctgctttt 480
ggatgtctcc tgcccgcctt ctgctgtgcc cctccgggt cgccaggacc aatcggctcg 540
gtcgcactgg cttttgaagt ctcgcttttt acccctgtta gctacttctc acaggacctt 600
gagctggggc ctctgagggt aaagagcctg aacatttcca aacggcgctt ttgccttgat 660
ttccaaatta accgcacgtg acgctttcct gtatttcgac tgctttaccg tcgaaggcca 720
gataccaagg ctttctaaag tcaacctttt cactctgctc agcctctgga tggagctctt 780
tccagcagaa gccagcggc aaaaatctca gaaaaatgaa gagggaaagc atggaccctt 840
aggagataat gaagagagga ccagagtatc tactgacaaa agacagaaaa ccatgttctg 900
cttggttgaa aatgattgna aatgcaaagc cttaacagta atgatcagat ctatgtctag 960
gtcagtgctt tgagctataa atggcanaac ttcta 995
```

<210> 1652

<211> 636

<212> DNA

<213> Homo sapiens

<400> 1652

```
gcgagcgcgt gggaaataat tgcattaaaa tacaaaaggt gatagggaag aattaaaaga 60
tttgagctat tgtacacaaa agctaataat tttgtgtact ttttatttat tttggagggt 120
ttatatgatc ttcaattgag tattaataaa tttgcctaga ttaagcctaa aatgatgacc 180
agctaattaa agaagatatt ttgaatctgg ttctgagcta aagttgagta aattccttagc 240
taagaaaaaa ttggaaatcc atcatctata ttagcaacag attctcagag taaattgtta 300
acttctatga tttatgataa tcaagctgga cttgatcata caagttagtc tcataatgta 360
ttggaccaa atgtaaaact cattggctcag atttagaagc attcatgctc acaagttttg 420
ggaaagtga aaataataaa atcatcttgg attttattct gtatattaaa atttatcttt 480
taaggaaaca atctgtatac tacttgcttg tatagccttt tgacccttct tgagtttttc 540
agaagccttt aatttttata ctttcaatac catatttaca ttatatactt taattaacaa 600
tgtgagtttc tctgtgaaaa aaaaaaaaaa aaaaaa 636
```

<210> 1653

<211> 1255

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1251)

<223> n equals a,t,g, or c

<400> 1653

```
ggcagagcag gaggagcacg ggaaaagaaa gaagaaaggc aaggggctag ggaagaagag 60
ggacccatgt cttcggaat acaaggactt ctgcatccat ggagaatgca aatatgtgaa 120
ggagctccgg gctccctcct gcctctgcca cccgggttac catggagaga ggtgtcatgg 180
```

1038

```

gctgagcctc ccagtggaaa atcgcttata tacctatgac cacacaacca tcctggccgt 240
ggtggctgtg gtgctggatt tgatgagtta actgtgaaat accacaagcc tgagaactga 300
atTTTgggac ttctaccag atggaaaaat aacaactatt tttgttggtg ttgtttgtaa 360
atgcctctta aattatataat ttattttatt ctatgtatgt taatttatTT agtttttaac 420
aatctaacaa taatattttca agtgcctaga ctgttacttt ggcaatttcc tggccctcca 480
ctcctcatcc ccacaatctg gcttagtgcc acccaccttt gccacaaagc taggatgggt 540
ctgtgacca tctgtagtaa tttattgtct gtctacattt ctgcagatct tccgtgggtca 600
gagtgccact gcgggagctc tgtatgggtca ggatgtaggg gttaaacttg tcagagccac 660
tctatgagtt ggacttcagt cttgcctagg cgattttgtc taccatttgt gttttgaaag 720
cccaagggtgc tgatgtcaaa gtgtaacaga tatcagtgtc tccccgtgct ctctccctgc 780
caagtctcag aagagggttg gcttccatgc ctgtagcttt cctggtcctt ccccccatg 840
gccccaggcc cacagcgtgg gaactcactt tcccttgtgt caagacattt ctctaactcc 900
tgccattctt ctgggtgctac tccatgcagg ggtcagtgca gcagaggaca gtctggagaa 960
ggtattagca aagcaaaagg ctgagaagga acagggaaca ttggagctga ctgttcttg 1020
taactgatta cctgccaaat gctaccgaga aggttggagg tggggaaggc tttgtataat 1080
cccaccacc tcacaaaaac gatgaagkta tgctgtcatg gtcctttctg gaagtttctg 1140
gtgccatttc tgaactgtta caacttgtat ttccaaacct ggttcatatt tatactttgc 1200
aatccaaata aagataaccc ttattccata aaaaaaaaaa aaaaaaaat ntctc 1255

```

<210> 1654

<211> 518

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (198)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (448)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (458)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (471)

<223> n equals a,t,g, or c

<400> 1654

```

ggaatctcct actatagtga aagctgggtac ncctgcaggt accggtccgg aattcccggg 60

```

1039

```

tcgacccacg cgtccgccc cgcgtccggg actccttgaa ccctggactt caaagggggg 120
agagattgct gcagccccgc attataaaca cttgggttta gaagccacag aataccattt 180
cctgcatatt ctattggnc aagcaggtgg agaaccagct ctgaccaaga gggtagggga 240
tcaaaccctt acctcttgat gggagaggca tcacacacac acacatgcac acatacatat 300
rcatatatac attaatgact tggcatttat agtgcttgat aaattagagt tctattaata 360
gaatgtttgg actagggcta caggataaac tgttgccctc acttaagaga atcaggaaat 420
ggactttggg agtcctgctt ggcattantt tgtggcangg ttgcagatgc nctgtattta 480
cacttaagaa gtcttcgaac atttcctctt ttgacatt 518

```

<210> 1655

<211> 793

<212> DNA

<213> Homo sapiens

<400> 1655

```

gcttgaaact ccagaatgtt cccaccatgg gtggccaagc cacatcacag ggaagaaacc 60
ttcaatgtgc tttctgtgca gcacactcct ctcttctgtg atctgaacac gaaccaccac 120
ctctaggcta ggactcagat gcagtgaagt ccactatacc cacagtcaca tacggacagt 180
aacttctctt cccgaatcct gtctggatcc aagtgtccct gggccagagt ctccctaaga 240
gacagccctg agtccaagcc cctgagaagc tcagggccat gcaaagcagg aggcctgggt 300
gtggaagggg tatgggtagg gcctgagaat ggactgaggg gcagacagtt cagggaaggg 360
aagatcactg gggtagagag gtgacctgra gggaggtcag cgtgggcagg ggtgagacca 420
aggaaaagat tgaagaacag aaggcattgg ccttacagct tcaaaaccag agattgcagg 480
agcgggaaca ttcagtacat gattcagtag aactacatct tcgtgtacct cttgaaaagg 540
agattcctgt tactgttgtc caagaaacac aaaaaaaagg tcataaatta actgatagt 600
aagatgaatt tcctgaaatt acagaggaaa tggagaaaga aataaagaat gtatttcgta 660
atgggaatca ggatgaagtt ctcagtgaag catttcgcct gaccattaca cgcaaagata 720
ttcaaactct aaaccatctg aattggctca atgatgagat catcaatttc tacatgaata 780
tgctgatggg agc 793

```

<210> 1656

<211> 1062

<212> DNA

<213> Homo sapiens

<400> 1656

```

gggcacgagt ttctgtcttc cttectggct cctccttctt cccaccctt ctaataggct 60
cataagtggg ctcaggcctc tctgcggggc tcaactctgc cttcaccatg gctttcattg 120
ccaagtcctt ctatgacctc agtgccatca gcctggatgg ggagaaggta gatttcaata 180
cgttccgggg cagggccgtg ctgattgaga atgtggcttc gctctgaggc acaaccaccc 240
gggacttcac ccagctcaac gagctgcaat gccgctttcc caggcgcttg gtggctcttg 300
gcttcccttg caaccaattt ggacatcagg agaactgtca gaatgaggag atcctgaaca 360
gtctcaagta tgtccgtcct gggggtggat accagcccac cttcaccctt gtccaaaaat 420
gtgaggtgaa tgggcagaac gagcatcctg tcttcgccta cctgaaggac aagctccctt 480
acccttatga tgacctattt tccctcatga ccgatcccaa gctcatcatt tggagccctg 540
tgcgccgctc agatgtggcc tggaaacttg agaagttcct catagggccg gagggagagc 600
ccttccgacg ctacagccgc accttcccaa ccatcaacat tgagcctgac atcaagcgcc 660
tccttaaagt tgccatatag atgtgaactg ctcaacacac agatctccta ctccatccag 720
tcctgaggag ccttaggatg cagcatgcct tcaggagaca ctgctggacc tcagcattcc 780
cttgatatca gtcccttca ctgcagagcc ttgcctttcc cctctgcctg tttccttttc 840
ctctcccaac cctctgggtg gtgattcaac ttgggctcca agacttgggt aagctctggg 900

```

1040

```

ccttcacaga atgatggcac cttcctaaac cctcatgggt ggtgtctgag aggcgtgaag 960
ggcctggagc cactctgcta gaagagacca ataaagggca ggtgtggaaa aaaaaaaaaa 1020
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aa 1062

```

<210> 1657

<211> 612

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (583)

<223> n equals a,t,g, or c

<400> 1657

```

ggcttcgtaa gatttaacat atcagaactg gggaaagaga aaggaggggg ttattttttt 60
gcagcatttt ccagtcacat atcaggggta tactgaactg caacaaagat caacttttaa 120
aaattagcct tcttaaaata caaaatgatt taagtatttt aaagataatt tatttgcctt 180
gctcttgcct tctaacatta gccatttcac ggagaggcta aaacttatac tccaaaaaat 240
gtggaagcac attttaatgg gagtaaaatt aaaaaatttt gagaaagggt aaaatcttat 300
gaatatgcat cttcttagct ttatcttccc tttagatagg aggcaattat gctcttccat 360
ctgctccatg tcaaataagg ctcagggaag ccagtcattt ccttagcgag atgattactc 420
ctttgccttg aaacatttat tggggcccac catgtatgga tcagtgtgtg gtartgartc 480
atactcccaa atcartgatt cccaartctt ggctttgggr accmgtatgc cttgtattct 540
cttaaaaagc aacaataatt tcttgaaaca aaattagttc aanaattgga attaaaaaat 600
atttccagtt gt 612

```

<210> 1658

<211> 521

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (74)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (486)

<223> n equals a,t,g, or c

<400> 1658

```

catcttaggt gacactatag aagggtacgc tgcaggtagc ggtccggaat tcccgggtcg 60
acccacgcgt ccgnccacgg tccggctttc agcaattgat ggtgctttgt tgtgggtgtc 120
gctggaagtc tactgccatt atagggaacc ttgcttggtt gcttctctag atctctattc 180
taaacaaatct gttagtgatg ataaattctg taggaggggc tattctgagc cgttaacttc 240
ctgtaagggg aaaatgggtg ggttaccaga aataccattg aagcaggggtg ggctgtgggg 300
tggaagggtg ggggtatttg cttgagaatt aaaaactacg aaacactttt gtacacaact 360
gattttttta aaaataaaca cattttttaa gatgttgaat ttttcccccc ttattgggaa 420
ttcttaaaaa taaatgcatg catgttttcc cctgaaaaaa aaaaaaaaaa aaaaaaaaaa 480

```

1041

aaaaangaaa aaaaaaaaaa aaaaaaaaaa aagggggggc g

521

<210> 1659

<211> 887

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<400> 1659

```
ctcaaaaaaa aaaaaaaaaa ttaaaaactt cctttttantc gcagagctgg aaaagttgga 60
gttggtttttg gtatacttgg agagctggct ttctaaagtg ctgctttgag gactgttgtg 120
taaagcactt gattcgctctt cccttttgctg gagttatggg cctgggcttt tacactgggg 180
ttctgaagta acaaacaaag tcagtcacaga aatagttgct cagcaatctc attgttacag 240
tgtcgcaaaa tgagctcata ttagctttat tttctgctac caatagagtg ttcctaagta 300
tttaaagtgt gtgactcctt tcttatagag ccagcaagct gtattggaat cacttttcca 360
gtgttgtaaa tgttatTTTT gtgggtcagt cagtatactc gtgaatgaca gaaaaacaga 420
tcccaacaat gcaaagtatt atatgtgtaa aaaagaacag aaaaaagaag ctgccttggt 480
agtaacgggc tctatgggtt ttctcatcaa gaggtcatga cgccagtcag atcacactag 540
ccttggsccac agctgcctcc taccacaggg cctgccaggc tctcggggcc atgctgtcca 600
aaggagccct gaaccctgct gacatcacccg tctgttcaa gatgttcaca agcatggacc 660
ctcctccggt tgaacttgaa gttgcttctc aagaatcccc aatgtcagct ggtaagggtga 720
ctttggaaag tctgtgcttg tctgattgtc tgaaggctgt gaatgcaaat ccattcattgt 780
cctggtcctt cctcagtcac actctctgcc tggagcctgt tgggccccctg ctgtgtaggg 840
ataccctgag gggaggtggg tgagcagtcg cctcacgcct gccatcc 887
```

<210> 1660

<211> 847

<212> DNA

<213> Homo sapiens

<400> 1660

```
gattgtgtct ccagccccctc aggcctgaaga cactgccttc cccctacacc tccccagggg 60
tgcggggttac cagcactggg aggccaggcc atgctcacgc ttcattggagg acacagcagc 120
agagaagcts acaaggttgt aaactccatc ctggcattcc gggagaagga atggcagagg 180
ctgcagtcaa acccccacct gaaagagggg tccgtgacct ccgtgaacct gactaagcta 240
gaggggtggcg tggcctataa cgtgatacct gccaccatga gcgccagytt tgacttccgt 300
gtggcaccgg atgtggactt caaggctttt gaggagcagc tgcagagctg gtgccaggca 360
gctggcgagg gggtcaccct agagtttgct cagaagtggg tgcacccccca agtgacacct 420
actgatgact caaacccttg gtgggcagct tttagccggg tctgcaagga tatgaacctc 480
actctggagc ctgagatcat gcctgctgcc actgacaacc gctatatccg cgcgggtggg 540
gtcccagctc taggcttctc acccatgaac cgcacacctg tgctgtgca cgaccacgat 600
gaacggctgc atgaggctgt gttcctccgt ggggtggaca tatatacacg cctgtgcct 660
gcccttgcca gtgtgcctgc cctgcccagt gacagctgag ccctggaaact cctaaacctt 720
tgccccctggg gcttccatcc caaccagtgc caaggacctc ctcttcccc ttccaaataa 780
taaagtctat ggacagggct gtctctgaag tactaacaca aggaaaaaaa aaaaaaaaaa 840
aaaaaaa 847
```

1042

<210> 1661
<211> 508
<212> DNA
<213> Homo sapiens

<400> 1661
tttctcttcc ccaggtgcct caccttcctt tcatgggctt tctgcccgcc tttgggtacc 60
cctagcgggc ccgaggctca ccctggtttg gagccaggga tgctagtgtc cccggggccc 120
agcgcagcgc tgatgggaag ggacttttgt ccgtggggaa ccaggaccc acttctcyga 180
ggtgascctt ttttttttct gccgcagtgc ctcacctctc ctccctcaa gctcaccttc 240
ccctcatgag ccctctgtcc gcctagaggt accgctagcg gcccgaggca caccctgtgg 300
ctgaaccagg gactccaggg tccctgcggc ccagcacagg cgctgatggg aagacacgtt 360
cgttcgtgga ggacccaggc cccgtttctc agtggcgtgg ttttttttct ctgcccgggt 420
gcctcacctt cctctaattg gccttttgcc cgctttgggg tacccttagc gggccctatt 480
cgcacctgc gctcgaacca gggtcgca 508

<210> 1662
<211> 544
<212> DNA
<213> Homo sapiens

<400> 1662
gcccagcata gagaggatgg ctgcccattc tcagctcccc tccttgcttc ctcgagtgtt 60
ctgactccgc actagccgcg ccctgtagga agaatagggt gtccacctct ccycggtgct 120
cgccatgtca ctccagttga agacgggacg cgtgcccgat ctcaagagag cccccgacc 180
gtccgtgggg aaccacatcg acgcttcttc tcagctcca gtctccagtt ccaaggatgg 240
gtcatctcca accmcttgcc ctgcctcagt ttctccattc ccctgctgca gcccggagg 300
actgggcacc ctcgagccgt gcatggcccc cgtgcgtcc gaggtcccgg ccgggtcgcg 360
ccgcagcttt cctcaagtat gcgcggcccc agcgcagggt gaccagcctt gccgcgcct 420
tgccctgcgc cgccctcagt ctgagcctcc ctgagtactg ggactcagtc aaaaaaaaaat 480
caacaacaaa aaacaaaacc ctcccagtggt gtgtccgtct ctcatctcaa taaaagaatt 540
tatt 544

<210> 1663
<211> 444
<212> DNA
<213> Homo sapiens

<400> 1663
ggtcggacat gcaaaaagga gttaacaagg aaagatacta tcatggcaca tgtgactgaa 60
tttcataatg gacacagata tttttatgag atggatgagg tagaagggtga aactttgcc 120
tcactctcta caacattgga taatttgact gctaacaagc ctcatcagc tattactgtt 180
attgatcatt ccccggaaca tagttctccg aggggtaaaat ggcaatgccg gattttgtgaa 240
gatatgtttg attcccagga atatgtaaaa cagcactgca tgtctttggc aagccacaag 300
tttcatagat acagctgtgc tactgcaga aagccttttc ataagataga aacattgtac 360
cgacattgcc aagatgagca tgacaatgag ataaagatta aatacttctg tgggctttgt 420
gatcttatct ttaatgtgga agaa 444

<210> 1664
<211> 1279
<212> DNA

1043

<213> Homo sapiens

<220>

<221> misc feature

<222> (1273)

<223> n equals a,t,g, or c

<400> 1664

```

tcccgggtcg acccagcgct ccgcgggacgc gtgggatcaa caaactcatc cgaattggca 60
ggaatgagtg tgtggttgct attaggggtgg acaaagaaaa aggatatatt gatttgtcaa 120
aaagaagagt ttctccagag gaagcaatca aatgtgaaga caaattcaca aaatccaaaa 180
ctgtttatag cattcttcgt catgttgctg aggtgttaga atacaccaag gatgagcagc 240
tggaagcct attccagagg actgcctggg tctttgatga caagtacaag agacctggat 300
atgggtgccta tgatgcattt aagcatgcag tctcagaccc atctattttg gatagtttag 360
atttgaatga agatgaacgg gaagtactca ttaataatat taataggcgc ttgaccccac 420
aggctgtcaa aattcgagca gatattgaag tggcttggtt tggttatgaa ggcattgatg 480
ctgtaaaaga agccctaaga gcaggtttga attgttctac agaaaacatg cccattaaga 540
ttaatctaata agctcctcct cggtatgtaa tgactacgac aaccctggag agaacagaag 600
gcctttctgt cctcagtcaa gctatggctg ttatcaaaga gaagattgag gaaaagaggg 660
gtgtgttcaa tgttcaaata gagcccaaag tggtcacaga tacagatgag actgaacttg 720
cgaggcagat ggagaggcctt gaaagagaaa atgccgaagt ggatggagat gatgatgcag 780
aagaaatgga agccaaagct gaagattaac tttgtgggaa acagagtcca atttaaggaa 840
cacagagcag cgcttccttg ctgtaaatcc tagacttgaa agttttccag tattgaaaac 900
ttcaaagctg aatatttttt atttctaagt atttaaatgt tctaacagat cagaacatga 960
aatgccctcc taaatgtcag ctgttggtcac acagtagctc caacactttg agcattttta 1020
agggagtggc ctcatctcac tagagacaaa tctttaagaa tagttctaaa attgggcttg 1080
tgatttccat ttctgatgtc tccagattgg caccctttc tagttcaatg cctcacgaga 1140
tttgccaggg gcatccaagg caaacaatcc caatctttct atataaaatg tattcaagca 1200
aacatcaaata aaatttcttg gatattttaa aaaaaaaaaa aaaaaggggg gggccttaa 1260
gaaccaagtt tantttggg                                     1279

```

<210> 1665

<211> 2509

<212> DNA

<213> Homo sapiens

<400> 1665

```

cggtcaggt gctggcggtc ccgcgggcgc cgctctgct gcgggycggg ggagccagac 60
gaggtgctgc cgggtaggaa aaaatccagg gctcattcat accccaggtc acgattccgg 120
ggtcgcccc agcacttctc cgccgggtgc atcaacctga aaaagcccck tcttcctgga 180
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tgccatttgt taaagactgt tggagcagaa ctactgagaa aaaccaggca ttgtatcttc 540
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ccacctttcc taaaaattcc gattactgtt gctgttgact ttgtgcctga cagtggttgg 720
gtgggccacc agtaactact tcgtgggtgc cattcaagag attcctaaag caaaggagtt 780
catggctaata ttccataaga ccctcatttt ggggaaggga aaaactctga ctaatgaagc 840

```

1044

```

atccacgaag aaggtagaac ttgacaactg ccttctgtg tctccttacc tcagaggcca 900
gagcaagctc attttcaaac cagatctcac tttggaagag gtacaggcag aaaatcccaa 960
agtgtccaga ggccggtatc gccctcagga atgtaaagct ttacagaggg tcgccatcct 1020
cgttccccac cggaacagag agaaacacct gatgtacctg ctggaacatc tgcattccctt 1080
cctgcagagg cagcagctgg attatggcat ctacgtcatc caccaggctg aaggtaaaaa 1140
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gagatttatt taaatttgaa gtaatatatt atgggataaa aggccacagg aaataagact 2040
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atacattctc tattagtttt taaagagttt ttgtaaaatg attttgtaca agtaggatat 2400
gaattagcag tttaacaagtt tacatattaa ctaataataa atatgtctat caaatacctc 2460
tgtagtaaaa tgtgaaaaag caaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2509

```

<210> 1666

<211> 421

<212> DNA

<213> Homo sapiens

<400> 1666

```

gtgagtgtgg ctgcgggcct tgcgtcacgg accccatggg agctgtgagt gggtcagact 60
tccctgggtc aggagacaga cagcggacgg atcccaggct gggcagctgg agggaggkrc 120
ccggggcgct gggcagccgg gctctacaca gtcagcagct ccggggccgc agggccggcg 180
gggtccacaca ggctggccgg gctgggcctc cttggagcct gctacgcctt cgtgggcacg 240
tggagaaggg cccactgtct ccacacgcca gccacagggg agccctggcc aggcgcccag 300
ccaggggagc gtgtgcctgg gatgggtcac agaaccagcg ggcacctgtg aggctggcca 360
gcaccgtggg gctgtgggaa tcgctcttat ttatatwwa acmccttgra ttttcaaaaa 420
a

```

<210> 1667

<211> 525

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

1045

<222> (205)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (421)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (435)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (502)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (514)

<223> n equals a,t,g, or c

<400> 1667

```

gggacatcta cagccactgt gtaaatagaa ctgcctaatag ttgagagtgg ttttagcat 60
taggttttagc aagggggaga tccgtgggtt gtgcgtcagc tttgggtgaa ttttgtttct 120
accctgtcac ggggaaagtt cgggttgagt ccaggagtgc aactgctgc tgccacccaa 180
tgcgctacat atcacttttt tttgntttgt tttgttttgt ttttaaaga tcattttatc 240
ttaaaaagga aagctgatcc aagtaaacac gaaagtattt gacacacccc acagatttta 300
catgtgtgta aatgtttcac tttaaaatct ctatgacaga tacacaggaa acatgagatg 360
gtttctgcta atgagtggcc cttgagtaca cacttagatg ctgtctgccc tgtaaatttg 420
natctggtgc cccanggcac tcaactcttc tagcacaggc tgaaaacacg tgtgtgtcaa 480
ctgaggttca caccacttg gngaattgagc ctgnttttct tccca 525

```

<210> 1668

<211> 1349

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<400> 1668

```

tcccggtcna cccacgcgtc cggcgggcgc ggcggaaggt tcagcagggg gccgtgggcc 60
gggcgcgcgc gttcccggca cgtgtctcgc cagtggtgag cgcgcctggc cctgggcttg 120
gaggcgccgc cgccttgat ccgccggccg tggtcgccga gtcgggtgtcg tccttgacca 180
tcgccgacgc gttcattgca gccggcgaga gctcagctcc gaccccgccg cgcgcgcgc 240
ttcccaggag gttcatctgc tccttccttg actgcagcgc caattacagc aaagcctgga 300
agcttgacgc gcacctgtgc aagcacacgc gggagagacc atttgtttgt gactatgaag 360

```

1046

```

gggtgtggcaa ggccttcac accgactacc atctgagccg ccacattctg actcacacag 420
gagaaaagcc gtttggttgt gcagccaatg gctgtgatca aaaattcaac acaaaatcaa 480
acttgaagaa acattttgaa cgcaaacatg aaaatcaaca aaaacaatat atatgcagtt 540
ttgaagactg taagaagacc tttaagaaac atcagcagct gaaaatccat cagtgccagc 600
ataccaatga acctctatcc aagtgtaccc aggaaggatg tgggaaacac tttgcatcac 660
ccagcaagct gaaacgacat gccaaggccc acgagggcta tgtatgtcaa aaaggatggt 720
cctttgtggc aaaaacatgg acggaacttc tgaaacatgt gagagaaacc cataaagagg 780
aaatactatg tgaagtatgc cggaaaacat ttaaagcga agattacctt aagcaacaca 840
tgaaaactca tgccccagaa agggatgtat gtcgctgtcc aagagaaggc tgtggaagaa 900
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cagaccaagg agcgagcttt ctctcagagc atgcttttct ttattaaaat tactgatgca 1320
gaacatttra aaaaaaaaaa aaaaaaaaaa 1349

```

<210> 1669

<211> 486

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (393)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (459)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (478)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (484)

<223> n equals a,t,g, or c

<400> 1669

```

gcgttctgca ggtgggcgtc gcgccgactt accaacaacc gggtcggggg ctcccggaag 60
tgctcttgcg gcttactgcc tggcacagct gtcattcttc tctacagaag agcttctcct 120
catcaactgg ggatgattac agttcttctt aaaaaaggat ggctgctctt tttctaaaga 180
ggttaacact acaaactgta aagtctgaaa atagttgcat tagatgtttt ggtaaacaca 240
tcctgcaaaa gacagcacca gcacagttgt cccctattgc ttctgccccca agactctcct 300
tcctaattca tgcaaaagcc tttagtaccg ctgaagacac ccagaatgaa ggaaaaaaga 360
caaaaaagaw taaaacagct tttagtaacg ttnggaagaa aaattagtca gcgagttatt 420

```

1047

tcacttatttt grtgagragg gcaatggttt tggggaacng gcaccggggcc aatgtggntt 480
 gganttt 486

<210> 1670

<211> 1957

<212> DNA

<213> Homo sapiens

<400> 1670

tattaacata atattgagac gtaatacgtc gaacagtgga ggagcgggaag cttaagctag 60
 aaatggagaa acaagaatttt gaacaactga gacaggaaat gggmgaggaa gaggaagaaa 120
 atgaaacctt tggattgagc agagaatatg aagaactgat caaattaaaa aggagtggct 180
 ctattcaagc taaaaaccta aaaagcaagt ttgaaaaaat tggacagttg tctgaaaaag 240
 aaatacagwa awaaatagaa gaagagcgag caagaaggag agcaattgac cttgaaatta 300
 aagagcgaga agctgaaaaat tttcatgagg aagatgatgt tgatgttagg cctgcaagaa 360
 aaagcgaggc tccattttact cacaaagtga atatgaaagc tagatttgaa caaatggcta 420
 aggcaagaga agaagaagaa caaagaagaa ttgaagaaca aaagttacta cgcattgcagt 480
 ttgaacaaag ggaaattgat gcagcactac aaaagaaaag agaagaggag gaggaggaag 540
 aaggtagcat catgaatggc tccactgctg aagatgaaga gcaaaccaga tcaggagctc 600
 catggttcaa gaagcctctt aaaaacacat cagttgtaga cagtgaacca gtcagattta 660
 cgggttaaagt aacaggagaa cccaaaccag aaattacatg gtggtttgaa ggagaaatac 720
 tgcaggatgg agaagactat caatatattg aaaggggaga aacttactgc ctttacttac 780
 cagaaacttt cccagaagat ggaggagagt atatgtgtaa agcagtcaac aataaaggat 840
 ctgcagctag tacctgtatt cttaccattg aaagtaagaa ttaatcactc tttttatctt 900
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 acaccatttt gggtgttgta gtttcaaagt ctttctgaag cagatatatt gggattggag 1500
 cgggggtgggg aaaactgtca ctcccttcag aggaaaaggg gaggagcatg gagaaaaaca 1560
 aaaattaaag gacttaaaaga atggctatac agtgttgagt gttgaggata ttaaactatg 1620
 tatttttcaa acgtatgtaa tatatattaa atttataaag caaatttatg ttgtgatctt 1680
 gcctgaacaa attatatattt aatgaaaaaa ctttctatta atagttcacg caagagaaaa 1740
 cactttcaac atagtcgaag gcttcaagat ctaagtgtat cagacttagg gaaaaagtgg 1800
 cacaaccttc gattttaaata tctagtcttt aaaatgagtt tgtaaataat tagctattac 1860
 gttctattaa gttgttttat attttaattt tctggaagac aattttattt tacaacgtga 1920
 acccaaataa agtaacttct gtatttaaaa gtcaaaa 1957

<210> 1671

<211> 815

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (28)

1048

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (73)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (91)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (646)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (721)

<223> n equals a,t,g, or c

<400> 1671

```

tggcattatg ggatgtatgg ccaggctntt cntgccagg aanttattcc aggcattggtg 60
gaatccttca tcnggaatgg atgggttttc ntttatgccaa aaaggcccat gtctaaccct 120
ttattattaa ttccagcagc atggggactg gtaccagtgg ttctcaaaa gtgtggaccc 180
cggacccagc cagtgrgagc atcatctggg aacttggtta aaaaatgtaa attattaggt 240
cctaccttaa acctcctaaa tcacaagctt tgctttaaca agcaacctgc acttttaaaca 300
aactctctag gtgattctgg tgcattgctaa agtttgagcy tcttataata ammtasaaac 360
tgtaccacaa ctgataatta tagtctcctt tagggataaaa tcaattatta gttacaaaatt 420
aggcaataaaa aggcaaaata ctagagaaaa taaccaagag attaatgttc ttcacatattc 480
agtgaaaaaa agtaaagaac attttatggt gaattwgaga tatacagaga attacattta 540
acattcacca taaaaagtaa agaacatttt atgggtgaatt tgagatatatac agagaatttac 600
atttaacatt cactgatgtt tcatctgtca gtagaaagaa ggccgnaaga aaggatgatcc 660
caaaactgggt aatgtcgagt aagaggaatg taaaatggca aaaccaggaa gcaaaaatta 720
ngaagcaaga gctgctctaa aggaaaagga aaagtctctt cactaacaca gaagagcgca 780
ggagctgcag ggccgggttaa tcaaccaccc agata 815

```

<210> 1672

<211> 832

<212> DNA

1049

<213> Homo sapiens

<220>

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (86)

<223> n equals a,t,g, or c

<400> 1672

```

ttgcaggtac cggtccggaa ttccccgggtc gacccacgcg tccgaggtn gaaggcgaga 60
tctgattctt caccctcac ccctgnccgg gctggtgaca ctgaaggcaa agactgggac 120
accaagggtc cagaactggc tcgtgccccca ctctgtgcgg catgagcagc gcccccgcg 180
sgggccccgc gcccgccagc ctcacgctct gggacgagga ggacttcmag ggccgctcgt 240
gtcggctgct aagcgactgt gcgaacgtct gcgagcgcg aggctgccm aggggtgcgt 300
cgggtcaaggt ggaaaacggc gtttggtgg cctttgagta cccgacttcc agggacagca 360
gttcattctg gagaaggag actatcctcg ctggagcgcc tggagtggca gcagcagcca 420
caacagcaac cagctgctgt ccttccggcc agtgctctgc gcgaaccaca atgacagccg 480
tgtgacactg tttgaggggg acaacttcca aggtgcaag tttgacctcg ttgatgacta 540
cccatccctg ccttccatgg gctgggccag caaggatgtg ggttccctca aagtcagctc 600
cggagcgtgg gtggcctacc agtaccagc ctaccgaggc taccagtatg tgttgagcgc 660
ggaccggcac agcggagagt tctgtactta cggtgagctc ggcacacagg cccacactgg 720
gcagctgcag tccatccgga gagtccagca ctaggctcca cggccccaga cacttccct 780
gaggacactc aataaaggtt cctgaatctt cctgccaaaa aaaaaaaaaa aa 832

```

<210> 1673

<211> 591

<212> DNA

<213> Homo sapiens

<400> 1673

```

gcaagaagga cttcttttggg aaatcagacc ccttccttgt gttctacagg agcaatgagg 60
atggcacgtt caccatctgc cacaagacag aggttgtgaa aaacacgctg aatcctgtgt 120
ggcagccctt cagcatccct gtgcgggctc tgtgcaatgg agactatgac agaacggtga 180
agattgatgt gtacgactgg gaccgggatg gaagccacga tttcattggg gagttcacca 240
ccagctaccg ggagctgagc aaggccccaga accagttcac agtatatgag gttcttaacc 300
ctcggagaag atgtaagaag aagaaatatg tcaactcagg aactgtgacg ctgctctcct 360
tctctgtgga ctctgaattc acttttgggtg attacatcaa gggagggaca cagctgaact 420
tcacagtagc cattgacttc acggcttcca atgggaatcc tctgcagcct acctycctgc 480
actacatgag tccctaccag ctcagcgctt atgccatggc cctcaaggca gtgggagaga 540
tcattccagga ctatgacagt gataagctct tcccagctta tggctttggg g 591

```

<210> 1674

<211> 616

<212> DNA

<213> Homo sapiens

<400> 1674

1050

```

agttttatca tctgtaaaat ggagataagt attgtcagag taaacatgaa gattagaaag 60
aacacttaat gtgctgggcc ttttataggt taacactgac atctcaggct gaactatata 120
cattttcctt cacaaccata tcaatcctta taaactatgg atttatgctc cttaaaacaa 180
tatataatgc tgatcactac tataaatgcg tggttttaac caactgtact gaaacagctt 240
tgagtttata ttctgtttgg atatttgag aaaacaacaa gtgctctcaa gagyayttgc 300
ttagaggccg gctgtgtgag tggataactt tgaaagctgc ttttgagacg ccagtgtctg 360
gcatttcctg cattctggcc tggaggccgg acgtgaatct gacttctagt aaaaatacac 420
ggttcccttg acaaagtcga gctgtttatc ccagagactg cacaattttc cgttgatagg 480
catggaccaa tgctaactgg aaatcattgc aaaaagtttt tttgtcgggc ggagggtgtg 540
gtgttaagat aaacagtgtg caacagaaga aattaaaact ggaagaaatt aaagggtttt 600
ttttagaaaa aaaaaa 616

```

<210> 1675

<211> 667

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (601)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (622)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (639)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (664)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (666)

<223> n equals a,t,g, or c

<400> 1675

```

aaaacgaggc agaacaggac gtgattttaa acatttgctg ggctgtgcc aattcctctg 60
gcagttagct cagaggaagc tcccttcgct ctgggggaacg gttctgtgtc tcattgggtc 120
atttctcttg agctcttcgg cagtcaaatt tgcttttttg aaaacttaag ctggggggcg 180
ttgcaagtag taaatagagg agttgggggtg gggggggggcg ttcaytatct aggtttgtta 240
ggggcctcac ggttttcggg tcggagaatc cactgcgtgc tctcctctt cccctggccc 300
ggactccag cttcattgtg tcatcccgcc tgggggaaag caccacccgg gatcgtcagc 360
ccactccag ccagcctagc ctgsaagtct cagaaaaaaa gcaaaactgg gagaaaaatag 420
aagggtgtgag ggaggagtgc acccctaggc ccaccataa caaaaggctg ttattccgaa 480

```

1051

```

agggctgagg aaggttttaa aactgctcgc ccgagaaggg tggagcctac acacaggaaa 540
tgtcttaact gtcctctctt ggacaacgta aagtttttaa attttaaaaa aaatcaatgt 600
nccccctgat atttttacct tnataccctg tttcttaang gaaaatccct tcaaaagggg 660
taancnt 667

```

<210> 1676

<211> 831

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (269)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (275)

<223> n equals a,t,g, or c

<400> 1676

```

tttaagaatt gttggcatct gtattcttga ttaataccct tgtttttcaa gatgtacttg 60
cagtaaatat atttgctttt taattcttgg ttagcagttg aaatgggtgag tttcagaagg 120
ttaaaaagggt aatttttgtct taagtgaata aaacaaatta ttataacagc atcttataaa 180
ttagggatcc caagctgatt tctaaacatt tctactgagt aaagaaatta taccaaatat 240
ttgattagct cattctatatt aattttttgnt tttgntttgt atcatggatt aggtactaga 300
accacagaat gtcgatcctt ctatgggttca aatgaccttt ctagatgatg ttgkctactc 360
tttgttaaaa ggtgaaaata ttggcattac atcacgacgc aggtctcgtg ccaatcaaaa 420
cgtcaacgct gttcacagcc attatacacg tgcccaagca aatagtccca gaccagcaat 480
gaactcccaa gctgctgtac caaaacagaa tacacaccag caacagcaac aaagaagtat 540
ccgtccaaat aagaggaagg gctcagatag cagtatacca gatgaagaka agatgaagga 600
ggaaaaatat gattatatat cacgaggaga aaatcctaaa ggtaaaaaca aacacttgat 660
gaataaaaga aggaaacctg aggaggatga aaagaaacta aatatgaaaa gacttcgaac 720
tgacaatgtt tcagactttt ctgagagcag tgactcagaa aattcaaata agagaataat 780
agataattcc tcagaacaga agccagagaa tgaawtgaaa aaaaaatact t 831

```

<210> 1677

<211> 1319

<212> DNA

<213> Homo sapiens

<400> 1677

```

ggctggcttc tgcgtgggtgc agctgcgcac gtgttttcagc cggcagcgct ttaagatttc 60
cgggggatgga atccgaaatg gaaacgcaga gcgccrgggc agaggagggc tttaccagg 120
tcacccgcaa ggtggccgac gggcgaaagaa acgacaggct gaacagctgt ccgcagcagg 180
agagggcgagg gatgcgggcc gcatggacac agaggaggcc aggcggcgga agaggcccgt 240
cttcccaccc ctctgtgggg acgggctcct gagtgggaaa gaagaaacaa ggaaaattcc 300
agtcccagct aacagataca caccattgaa agaaaaactgg atgaagatat ttactcctat 360
tgtggaacat ttgggacttc agatacgctt taacttgaaa tcaaggaatg tagaaatcag 420
gacttgtaar gaaaccaagg atgttagtgc tctgacaaaa gcagctgatt ttgtgaaagc 480
ttttattctc ggcttttcagg tggaggatgc acttgccctc atcaggttgg atgacctctt 540

```

1052

```

cctagagtct tttgaaatta cagatgttaa acccctaaag ggagaccatc tatccagggc 600
aataggaaga atcgctggca aaggaggaaa aaccaaattc accatagaga atgtgacacg 660
gacaaggata gttttggctg atgtgaaagt tcacatcctt ggctccttcc aaaatatcaa 720
gatggcaaga actgccattt gcaacctaata cttgggaaat cctccttcca aggtttatgg 780
caatattcga gctgtggcta gcagatcagc agatcgattc tgatttcaag tcagagactt 840
tttatcttgc ctttggactc tggtgaaaaa tactttacag tggtcggtca caagaaacca 900
tctgaacaat ttcagtcatt tgaagcctcc gtcccttctt ccattctcag ccagaagcat 960
aaacagaaaa gaaagattta agaggattca cactcaacag gttttaggat aatttaaata 1020
tcaaaaattg attgttatac ttacacatta ggtataattt atcatttata tgaaatcaca 1080
tgtagcagat tgcatagtct gtaatcctct cagagggaaa cttcttggtt aaacagctct 1140
atatggattt atacttttat atttataaat ttataacttc atacaaattt ataaacattt 1200
ctttataaat tgtaatttaa tagattatct cagaaaaacc tctctgaatg atgacccttc 1260
cttaatactg ggtgatgtgt gaatatttgt ttgttggcag acagggcttc actttgtca 1319

```

<210> 1678

<211> 470

<212> DNA

<213> Homo sapiens

<400> 1678

```

gcatacacag gaatgtgtct tctaagatat gccactgatt acatgtgagt acctgagaga 60
gaagaaggcg aaggagaaga aactccaaat ttttagccact ggggcccacc gagaattggt 120
gagattttta gagaacccaa tgtgtcyctt gggatcagta ttgttggtgg acaaactggt 180
ataaaacgtc taaagaatgg agaggagcct taaaggtata ttcatacaaac aagttttaga 240
agacagtcca gcagggaaga cgaacgcact taaaactgga gataaaatac ttgaggtgtc 300
tggagtagat ttgcagaatg cctcacacag cgaagcagtt gaggccatta agaatgcagg 360
aaaccctgtg gtgttcattg ttcagagttt gtcatccact ccacgagtca ttcctaattg 420
acataacaag gccacaacaaa tcaccggtaa ccagaaccag gacacccaaa 470

```

<210> 1679

<211> 1126

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1120)

<223> n equals a,t,g, or c

<400> 1679

```

aattcggcac gaggtgacca ggagtcgacg tgtgcagaag tcttggtaat ctggtccttg 60
ttcccgtctg gataccagct tccttcagca gcgcaggcgg tggtcctga ggcccgtgga 120
aggagtcaaa cttgcgggaa ttttgcagtt tatctgcagg gctgttggtt ccagcaagac 180
ccaaagctag aaaaggagga ggaagaaact gacccgatca gtgccagaag tcattgtatt 240
caaagaagaa taagcaagaa agaaaagaag gaaggaagag aggtagacag atacaagatg 300
aaatcctgtc aaaaaatgga aggaaaacca gaaaatgaga gtgaaccaa gcatgaggaa 360
gagccaaagc ctgaggaaaa gccagaagag gaggagaagc tagaggagga ggccaaagca 420
aaaggaactt ttagagaaag gctgattcaa tctctccagg agtttaaaga agatatacac 480
aacaggcatt taagcaatga agatatgttt agagaagtgg atgaaataga tgagataagg 540
agagtcagaa acaaacttat agtgatgcgt tgggaaggta atcgaaacca tccttaccct 600
tatttaattg agtttacctt gatttttata tgatattaac aataccatat agcttgcttt 660

```


1053

```

ttattagcat ttcctgatat tcctttgtcc atatttctac ttataacctg ttgctattaa 720
tgggttttaga tgtatctctt gttatctgca tctcattggt tattgtattt tgaaccaatc 780
tacaagtctc tgtcttttaa taaaagaact ttacacattt gtaaaaaaga gggtcttggt 840
aagatataaa atggaaaaag gctaagtaat atgtgaatat catatttttg aaaggtaaaa 900
agtacatttg tatattacat atatggacat aacttgtgaa ggatgaaaga aagtacagcc 960
tctcgggtggg gggattatga atgatttttc tccttttgct tgtttgtatt ttctatatcc 1020
ctaaaattaa cacacattat tattgctaga ataataaaaag ttttataaaa aagaaaaaaa 1080
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gggggg 1126

```

<210> 1680

<211> 630

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (45)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (511)

<223> n equals a,t,g, or c

<400> 1680

```

accctcacta aagggacaaa agctggggct ccaccgcggt ggcgnccgct ctagaactag 60
tggatcccc gggctgcagg aattcggcac gagaaatggt catgcctcta cggatcagtt 120
aagtgaagaa aaggagaaaag gggcatgtgg ctgttgagaa gtcaagtaag ygacatagta 180
gttcagggtg cccatgcctg ggatcttctc tatgattgat acatggcaca gtgagagatt 240
aatgggcatt gtgtacaaat tgcttctcac catccccatt agacctacga ataaagcatt 300
cggttctaaa attaatttgg tgcagctttg taaatatttc tttaagattc agcctgagag 360
ttaggrgaaa tatttcagag ccaaaagtgc cttatacaac cttagcctat tatagtraak 420
cattcaaggg attcagaatt tttggcagtc acargaagag tgtattttatt atgtagratg 480
gaatgagggt acctgtcacc ctgcccttaa ntgtaggtag ggccccagag tcttaccatt 540
ttaaggatct ttaccatgcc aggtttataa aaaccgggcc accaggtctt tcaatccagg 600
attttgaaag gcttcattgc ccatagggtg 630

```

<210> 1681

<211> 612

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (575)

<223> n equals a,t,g, or c

<400> 1681

```

gcatagaggc atagcatggt tatgactctg gtttctttct cttcaggtgg ttttatacca 60
ttactgttaa tgttatttta acttggcatg tataacattg ccatatagag tagagtagaa 120
agttgcaaat tttgatagtt tacagagtta aacactaaac atatccaaag tccatttaga 180

```

1054

```

gttttgggtg ttgtattttg ccatttttgt gatgtgtggc cttttattct gtaatctctt 240
ctaaataaaa cattgaacat ccagcaaaca taaaacctgc ctcatttgaa aaggaatttc 300
aaaaattccaa ttaataggat tctctagaga gttttgtact ttaatatattg tcagtgtagt 360
gtcaactctg ttaccaaggt agcttcttgg taaatccagt agctactcaa tgctatttgt 420
actgaataaa gcaattatta acatgatact tcccactatt gattaatgca atattgatat 480
at ttggcggt gtggtagctg ttgcagaatg aatagtgtaa tgaccataag attgcttggg 540
aaattgtaat mcagatatcc acaatgaatt ctttnccaaa attttttttt ccgatgataa 600
aagtagtaga tg 612

```

<210> 1682

<211> 1194

<212> DNA

<213> Homo sapiens

<400> 1682

```

gcaaccaggt ctacttttta atggctttca taacactaac tcataagggt accgatcaat 60
gcatttcata cggatataga cctagggctc tggagggtgg gggattgtta aaacacatgc 120
aaaaaaaaaa aaaaaagaaa ttttgtatat ataaccattt taatctttta taaagttttg 180
aatgttcatt tatgaatgct gcagctgtga agcatacata aataaatgaa gtaagccata 240
ctgatttaatt ttattggatg ttattttccc taagacctga aaatgaacat agtatgctag 300
ttatttttca gtgttagcct tttactttcc tcacacaatt tggaatcata taatatagg 360
actttgtccc tgattaaata atgtgacgga tagaatgcat caagtgttta ttatgaaaag 420
agtggaaaag tatatagctt ttagcaaaag gtgtttgccc attctaagaa atgagcgaat 480
atatagaaat agtgtgggca tttcttcctg ttaggtggag tgtatgtgtt gacatttctc 540
cccatctctt cccactctgt tttctcccca ttatttgaat aaagtgactg ctgaagatga 600
ctttgaatcc ttatccactt aatttaattg ttaaagaaaa acctgtaatg gaaagtraga 660
ctccttccct aatttcagtt tagagcaact tgaagaagag tagacaaaaa ataaaatgca 720
catagaaaaa gagaaaaagg gcacaaaggg attggcccaa tattgattct tttttataaa 780
acctcctttg gcttagaagg aatgactcta gctacaataa tacacagtat gtttaagcag 840
gttcccttgg ttgttgcatt aaatgtaatc cacctttagg tatttttagg cacagaacaa 900
cactgtgttg atctagtagg tttctatttt tcttttctct ttacaatgca cataatactt 960
tcctgtattt atatcataac gtgtatagtg taaaatgtga atgacttttt ttgtgaatga 1020
aaatctaaaa tctttgtaac tttttatatc tgcttttgtt tcaccaaaga aacctaaaat 1080
ccttctttta mwamaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1140
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gggcgggcgt tttta 1194

```

<210> 1683

<211> 1014

<212> DNA

<213> Homo sapiens

<400> 1683

```

acacctccaa cagactctca ttaagattca gttattttcg ctccccagcc ccacactcct 60
ttcagattat cgttcattgg cgtaagtctc ttctcagagt taacaagtct ttggtagtca 120
tcctctgtcc aaatatgtga tattattaaa aggcattttt aataattacc agaattagct 180
caaaccttta gggatctttc agccatgatt attaaaggata tgtatgtgaa tttttgggaa 240
acctctcggt gctggatgcc agcctacagc aggggtccatt gctggcaatg gatggcccag 300
gaagggtccc agagatcact cacttgaaaa atgagggtcc catgaaagta tttggttgcc 360
ttctgatgcc acttcttctc actttacttt ttgcttattt tcaaaatatt ataaaatgtc 420
aacatataat ttcagaaagg cagggtgggg taggggagaa atgaatgaat aaattctcta 480
ggatatttaga aagataagaa actgaagacc gagagactaa taaggctgct tacctaatta 540

```

1055

```

ttataatcat ttcatttgcc tgaatgtttt aagcaggaag tagaaatact ttggctgccc 600
aatgtatct tttgttcctc ttagaagtaa aataagctac atacaataaa aatttatttc 660
agaaccccat ttctagaaaa taccacccca gagtcctcat ttgatagcat ctgtctcctg 720
cagacctcat cattccacag tatttccttg ccatgtaaaa atcctgactt tgtgcgtata 780
taaaatgtat gcaattaagt ctgtttaaat gatattttaag ttttaaagac tgtattttgt 840
tgacacatac tttgtgcagt ttttatgtat gtatgtatta taaaaaaagt taaggttaaa 900
aacatctcat ttaatagtga gttcactatt tttttttttt tgtctctggg ttgtaattta 960
ataatcttca aacaaaatgt ttacgaaaaa tgccaaaagt tctaaatctt aaaa 1014

```

<210> 1684

<211> 431

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (423)

<223> n equals a,t,g, or c

<400> 1684

```

ggaaaagcac ctacaagaga gctgcatgga gctgtgggtg catttcctgt taccaccagg 60
gcatcccaga atgctgacaa agagaaaact aagaccttcc cactctgatt tgttacatgt 120
cataacacca agcaagtgac agaggagaca attatggggc ccagaggaag gtgcctgtat 180
catgtagaca aaatccaaag cagcttgttt cagacaaaac attttgcttt ggaaactttt 240
gaaacttcca tggccgttga atatagcaga gatgatctaa aaattttaga agcggttgag 300
gtacccgtgg taggggcaag gcatgggagt ggtgatcctt aaggggcttg tctttagttt 360
gagggccaca cacagaggag gtgggagcaa aactgaggtc tycccagagc agcttttycag 420
acnaaaaaaa a 431

```

<210> 1685

<211> 569

<212> DNA

<213> Homo sapiens

<400> 1685

```

gcggacgcgt gggttgacta ttctgaggac aagagtagtt gggacaacca gcaggaaaac 60
ccccctccta ccaaaaagat aggcaaaaag ccagttgcca aaatgcccct gaggaggcca 120
aagatgaaaa agacacccga gaaacttgac aacactcctg cctcacctcc cagatcccct 180
gctgaaccca atgacatccc cattgctaaa ggtacttaca cctttgatat tgacaagtgg 240
gatgacccca attttaaccc tttttcttcc acctcaaaaa tgcaggagtc tcccaaactg 300
ccccaacaat catacaactt tgaccagac acctgtgatg agtccgttga cccctttaag 360
acatcctcta agacccccag ctcaccttct aaatccccag cctcctttga gatcccagcc 420
agtgtatagg aagccaatgg agtggacggg gatgggctaa acaagcccg ccaagaagaag 480
aagacgcccc taaagactga acatttaragg tgaaaaagtc gccaaaacgg tstyctytyt 540
ctgatcacyt tccaggaccc acccaagtt 569

```

<210> 1686

<211> 922

<212> DNA

<213> Homo sapiens

1056

<220>

<221> misc feature

<222> (904)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (912)

<223> n equals a,t,g, or c

<400> 1686

```
cctcatagca ggcattccaac acggctgcca ggatatcggg gcccgagcc tgtctgtcct 60
tcgggtccatg atgtactcag gagagctcaa gtttgagaag cggaccatgt cggcccagat 120
tgagggtggt gtccatggcc tgcactctta cgaaaagcgg ctgtactgag gacagcgggtg 180
gaggccgagg tggtggaggg gatgcacccc agtgtccact tttgggcaca gcctccctcc 240
ataactgagt ggtccacaga tttgcactac gggttctcca gctcctttcc aggcagagag 300
gaggggagggt cctgagggga ctgctgcccc tctctcggca tcccctgcag agtcaggact 360
gctccccggg ccaggctgcc ctgggagccc ccctccgagc ccagccagcc aggtctctcag 420
gccctgcgcc tgcctcagggt ctttcttgct gcagcctgct ccagcctggc cccacccca 480
ggggcaggcg gcccctcctg gcttctcctg tagggcacct ccctgcccct agcctcccag 540
gaaatggtgc tctcctggcc ctgcctctgg cccttcccs ggcgctgccc ctccagccatg 600
tggcacttct gagctcctga cctaggccaa ggggaggtct ctgccccctt ccccgccct 660
gggtaccct tgggtcctgc tcctcaggcc gctcccctgt ccctggccat gggtaggaga 720
ctgccctggt catggccgcc tgcctgtcat tcctgactca ccaccgtccc caggatgaacc 780
attcctccct tctcctcagc tgcagtcgaa ggctttaact ttgcacactt gggatcacag 840
ttgcgtcatt gtgtattaaa tacttggaat aaatcaaaaa aaaaaaaaaa aaaaaaaaaa 900
aaanaaaaaa anaanaaaaa aa                                     922
```

<210> 1687

<211> 1596

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (499)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1397)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1404)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1498)

1057

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1508)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1515)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1558)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1589)

<223> n equals a,t,g, or c

<400> 1687

```

tcaccgggtg cgccgtctag actagtgacc ccgggctgca ggaattcgga cgagggcgcc 60
caggttcttt agtgaagaa cgcaagcga ggatgagtga tccgtggagg cagtaacagg 120
cgcggcgagg gagaagtgat tcccgaagaa tcaaggctgg gccggacccg gtggcctggc 180
aacagggtaa taagagaaat gaagccaaca ggtacagacc caaggatctt atctatagct 240
gctgaagttg caaaaagccc tgagcagaat gtccctgtta tactgttgaa gttaaaagaa 300
ataataaaca tcacaccttt aggaagctca gagttgaaga aaatcaaaca agatatatat 360
tgttatgata tcatccaata ttgcctcttg gtccctcagtc aagattattc tcgaatccag 420
ggtgggttga ytacaatttc ccagcttaca cagatattaa gccattgctg tgtgggcttg 480
gagccaggag aagatgcana ggaattttac aatgaattac ttccatcagc tgcagaaaat 540
tttctagttt tggggagaca attmcaaaaca tgttttatca atgcagctwa ggctgaagaa 600
aaagatgaat tactacactt tttccaaatt gtgactgatt ctctcttctg gcttttggga 660
ggccatggtt aacttattca gaatgtacta caaagtgatc atttcttaca tttactgcaa 720
gctgacaatg tccaaatagg atctgcagtc atgatgatgc tacagaatat aytacagatc 780
aacagtgggtg atttactcag aataggaaga aaagccctgt attcaatttt agatgaagtt 840
attttcaagc ttttttcaac tcctagtcca gttataagaa gtactgctac aaaactccta 900
ctggtgatgg ctgaatccca tcaggaaatt ttgattttac tgagacaaag tacctgctac 960
aaaggactca gacgtctact aagtaaacag gaaactggga ctgaattcag tcaagaactt 1020
agacagcttg ttggcctttt aagcccaatg gtctatcagg aagtagaaga gcagaaacta 1080
catcaagcag catgcttgat tcaagcctat tggaagggtt ttcagacaag aaagagatta 1140
aagaagcttc catctgctgt gattgctttg cmgaggagtt tcagatccaa acgatcaaag 1200
atggttgctg agataaatag gcagaaggaa gaagaggacc tcaaattaca attgcaactt 1260
caaagacaga gagccatgag actttcccga gaattgcagc tgagtatgct cgaaatagtt 1320
catccagggtc aggtggagaa aactatcgg gaaatgggaa gagaaatcag cactgattat 1380
ccagaaacat tggaganggt acanggaag gaaaaatttt caccaacaga ggcagtctct 1440
catagaagta taaaagcaac tgtcacactt caaaagagca agcgctttta attcctancc 1500
gaaattgncc gttangaaaa aaggaaacta ttttgcttcc cttgggcgaa gggacctncc 1560
aaagaaacct caacctgaaa tgccaacgnc cccaaa 1596

```

1058

<210> 1688
<211> 329
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

<400> 1688
ataaaagaag caatcacccc cacattttcc cctgcccaacc acttgcctgt accaagtgtg 60
agctctgaaa ggggaagtct ttaagggttaa acaagtgttg aagtcttaat tttttttatt 120
acatggactt taccaaactg actttttgtt tgtntctttt tagtggctag aagtgacccc 180
aggatttttt tattatcaag agagactaga agaatcatga gacttttcct agttgccttt 240
caagaatatg aagaaaaaaa tggttctcaa agtgggtttg aatgagtatt gttccaataa 300
atgaacttat attcataaaa aaaaaaaaaa 329

<210> 1689
<211> 1273
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1273)
<223> n equals a,t,g, or c

<400> 1689
tccgnaattc cccgggtcgac ccacgcgtcc ngttagtaac tacttcaatg atcatttcac 60
aagaaaaaga ctataaatta agtagaganc aacattttta ttgaacattt ttggcttgca 120

1059

```

atcaaaacttt gccactaaaa attaaacttca taaaacacta gtccgttatc aacttcttca 180
cagagaaagt agctatacta taccctacat atttatttat ttattattct actatagcag 240
aataacaaaa cttgatgcat taagccagtt ctttgcaact gaaaattacc tgtttctcct 300
tccctttcac actccatgta tatatgatca gcctctccat taaaaagaag ctggacatgc 360
aartacatca tattatgttt tctccatatt ttatgttttt ctatgtatct gaatacagtg 420
ggataaataa ttgaaagtag tgttcctatg gcattagtgt ttttgtgaga agggtaaagt 480
tagtgagaaa ggttttttca tggcattaat aagaaagccc ttctgtaata tatatattat 540
tttgtaaaca tttcactgaa gggccaaaag ttaaattata actaaatcac tgtgttttca 600
gaatgatatt taacaacaaa cccgtggtca aaccaaaata gtgggttgaa gtgtattatt 660
catcttttag tgcattggca attgcaaaaa aaaaaagga atttaataata aggctataga 720
gattaattca gtgtctaaca tttgtattta tttaaatagt tattgacctt tgatgacttt 780
ctagtcttaa cattttayct ttttattgtt gttgttcttc ctttcaaaga tgtggttctt 840
aataggttca ctgaatgcac agttgaggca cttcttgtga caccagttcc caagtagcgt 900
taataattgg gcctgtgtca taaaatgcac ggatcattaa taactaaatg tccctgacac 960
ttttcactac agggctggac ttagtaactg accaacttcg gggggagggg tggggcaagg 1020
gggggtgggc gttagaacat gatcaaaaaa tgtctccgct cagggattta tgggtggatta 1080
ttgcagacag tgctaaaaat atagagcaca agacaagttt actaaattaa aattttattt 1140
tttgagaaac tgttatttgt ataaattatc aagatttgta ggctttcctt ttgtagaaat 1200
aattgtttta tgtgccagag aatttcaatt ttgttttcaa caataaagca ttgataagaa 1260
anaaaaaaaaa aan 1273

```

<210> 1690

<211> 1020

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (859)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (986)

<223> n equals a,t,g, or c

<400> 1690

```

tttttttttt tttttttttt ttttttggkat taratttttt ttttcttagt accttccagc 60
tctaaaaaaa tttgaaatag cataataaaa gacaaaakga aaacgaaatt ttaattgkaa 120
tattttctgk cacagcagca tatgtatatt tgaaatactg gtaacaattt taaggtagca 180
ttctgtggta ttaatatatta ttaatatgct catgaacttc taagtgccac accagacata 240
tagactcttt actttaaaaag agcatatatt taaggcattg aaatggatac agctatatte 300
attctcaatt gtcttaggct atttatatgga aagatatgtg tcaattatag gtaggtagggt 360
aggtaggtag attttctgga aacacagaag tacttgacgg agagttaggc ctgtattcta 420
taaattctatt aatggtagca aagtgcataa gacagggatt tctttgagat gaaaggagtg 480
ctgaagaaga gcattggaat taatatttgg atgtggtatt gtgaaattca atgggtaaaag 540
taaccctaatt gtgggaataa aagtcaaggg aaaggtcttg aataagtaca cagaaaaata 600
ggctaaaaat attaagggga gggaaattgg aatacagggg gacagtgtgc aagaaagcaa 660
gccaggaatc tgcctatgtg gtagacccaa ccattactac ttgaaccccc ttagaaaagc 720
ttttccagca ttccataact caggttcttc atttataaag tgggaaactc ataattgtcc 780
tacctacctc acaggggtgt tgtgaggatc aaaggaacag atgaatgtat gagcactttc 840

```

1060

agacatgtaa ggcactgtnc atgtaacaag taggggaaag actctgggag cacattagtg 900
 ttgggtgtgt gccaaagcccg tgggttggtt ggaccgtaag ggatkatttc aagttaggga 960
 gggagggaag agaagktggg cwttgnttat taaagggttg tgttacacac cttagggttt 1020

<210> 1691

<211> 1636

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<400> 1691

caagtntaag ccccanattg ctgctctgaa agaggagaca gaagaagagg tgcaagatac 60
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 gtgggacagt cacctcatgg aattggagct cgtggaacag ttacctctgc ctcaraaaac 180
 aaggatgaat taagtttttt ttaaaaaaga aacatttggg aaggggaatt gaggacactg 240
 atatgggtct tgataaatgg ctctctggca atagtcaaat tgtgtgaaag gtacttcaaa 300
 tccttgaaga ttaccactt gtgttttgca agccagattt tcctgaaaac ccttgccatg 360
 tgctagtaat tggaaaggca gctctaaatg tcaatcagcc tagttgatca gcttattgtc 420
 tagtgaaact cgttaatttg tagtggttga gaagaactga aatcatactt cttagggtta 480
 tgattaagta atgataactg gaaacttcag cggtttatat aagcttgatc tcctttttct 540
 ctctctccc catgatgtt agaaacacaa ctatattgtt tgctaagcat tccaactatc 600
 tcatttccaa gcaagtatta gaataccaca ggaaccacaa gactgcacat caaaatatgc 660
 ccatttcaac atctagttag cagtcaggaa agagaacttc cagatcctgg aaatcagggt 720
 tagtattgtc cagggtctacc aaaaatctca atatttcaga taatcacaa acatccctta 780
 cctgggaaag ggctgttata atctttcaca ggggacagga tggttccctt gatgaagaag 840
 ttgatatgcc ttttcccaac tccagaaagt gacaagctca cagaccttg aactagagtt 900
 tagctggaaa agtatgttag tgcaaatgt cacaggacag cccttctttc cacagaagct 960
 ccaggtagag ggtgtgtaag tagataggcc atgggactg tgggtagaca cacatgaagt 1020
 ccaagcattt agatgtatag gttgatggtg gtatgttttc aggctagatg tatgtacttc 1080
 atgctgtcta cactaagaga gaatgagaga cacactgaag aagcaccmat catgaattag 1140
 ttttatatgc ttctgtttta taattttgtg aagcaaaatt ttttctctag gaaatattta 1200
 ttttaataat gtttcaaaaca tatataacaa tgctgtattt taaaagaatg attatgaatt 1260
 acatttgtat aaaataattt ttatatttga aatattgact ttttatggca ctagtatttc 1320
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 catgaatcac cttttggtct ggagggaagc cttggggctg atgcagttgt tgcccacagc 1440
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 gtctgactgt ttccatcaag ggtacactgc cttctcaact ccaaactgac tcttaagaag 1560
 actgcattat atttattact gtaagaaaat atcacttgct aataaaatcc atacatttgt 1620
 gtgaaaaaaaa aaaaaa 1636

<210> 1692

<211> 835

1061

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (832)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (833)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (835)

<223> n equals a,t,g, or c

<400> 1692

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caaaaaaaaaag aaaggaaaaaa cagggccagg tagccattkt ggagagagca cacttaggaw 60
tcctgggatg ttagtkttaa aagaaagctc ctggagccag tgattctcag gtttgatcca 120
gaaccctttt ttctaagccc catataaaag gtagattaaa aaaacaaagt agcatgagtg 180
aaattgagag agggacaggt aatgccttcc agcccctaac ttctaacaat ctggaagcac 240
aacgtgaaaa tcackkagcc caaccctatc attttcatat tatgaaactg agtccaggta 300
agtgaatctg tccaagggtca cccagcaagg tatcagtagc cctgagggtg aggactctga 360
taaggctcgg gagggtcctg gaaagcctga ggcggcagga agagtgtgca gagttgagcg 420
tgtctggaag gctgatccac tgctgggccc acatcaaagc ccccatgggg agcagacccg 480
actgcacatg gctcttttgc tggaagaaga gcatggctgc gcagaggact aaaatttcat 540
ctgggaaggc ttcttttgac tgtcagtagc aggatgtcac cagatgaggg tgctatggga 600
ccacagctgt ctttgttccc attgcaactc aaccctgcr gaggccgcct gcacccctga 660
gagccttctg gagcctacag aggagacatt ggccagccaa aaggaaagga gtggccaggg 720
tacgacctgg agtagggaag ggaaaaagtt cccggaaaaga agagaattgg atgagaggtc 780
tcggtggaata taaaggtttt ctggcattgg tcaaggaaaa aaaaaaaaaa annan 835
```

<210> 1693

<211> 607

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (513)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (585)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1062

<222> (597)

<223> n equals a,t,g, or c

<400> 1693

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gtttgaccct acgtggaagc ctacaagaag gggaattctg ggcaatgtgg ttcagcccag 60
ccacatcaca tactattatt tagtagtcat gaagagagag acataggtaa aaacagcagt 120
tagtatttct tcattctgat atctggcagc aagtgagtga tgctaccatt atcggctaaa 180
atcaggaact ggtattaatg cattttgttt tgttttgttt tctgctttat tctcctctgt 240
catagacagt gaagagtaag tgaagaatct gagggtcac aaccattgtg aactcatcaa 300
agttagtagc acttaaaatt tgctttttaa atgaatggaa agatkccaag ttttyaatag 360
cacaaatatt tttttctcat ttgtaccttt tttttgtctt ttgtatacag atattcccac 420
tctggccact gcccaaaggg gctcttatct gaggaatact gctgacttcg agtacctagt 480
tttacagagc catctttctg aagcataaat tanattacat tattctacag cttaaatccc 540
tcttgaactt cccatcaccc caagagtggg tctgaaacgc cttanagtgg cattcangac 600
ccttctg                                     607

```

<210> 1694

<211> 1273

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (838)

<223> n equals a,t,g, or c

<400> 1694

```

ggggcgagcg aggaggatgg cggagtcggg gctcctgacg gaactctaata gaatcattga 60
ttgaccagca ctattttacc agttggaatg aatgacgaga aatgggcata gtgcttttag 120
atccaacatg taacagatgg atgttactcc atgctgatta cttcttcaag ccagtacttt 180
tttgattgtg taggatcttt gtctcttcat ctttgaattc aattactgga aaataaaagg 240
agttcatgta gttttgttcc aggcttgagt caccatgagt agtagtttag gaaaagaaaa 300
agactctaaa gaaaaagatc ccaagtagc atcagccaag gaaagagaaa aggaggcaaa 360
agcctctggg aggttttggg aaagagagca aagaaaaaga acctaagacc aaagggaagg 420
atgccaaaaga tggaaagaag gactccagtg ctgccaacc aggggtggca ttttcagttg 480
acaatacgat caaacggcca aaccagcac ctgggactag aaaaaaatcc agcaatgcag 540
aggtgattaa agagctcaac aaatgccggg aagagaattc aatgcgtttg gacttatcca 600
agagatctat acacatattg ccatcatcaa tcaaagagtt gactcaatta acagaacttt 660
atttatacag taacaaattg cagtccctcc cagcagaggt gggatgttta gtaaatctca 720
tgacactggc tctaagtga aattcactta ccagttagcc tgactctctt gataacttga 780
agaagctgag gatgcttgat ttacggcata ataaactgag agaaattcct tcagtggntg 840
tataggctgg attctctcac cactctttac ctctgcttta atcgtataac tactgtggaa 900
aaggacatca aaaacttgct aaaactcagc atgcttagca ttcgagagaa caaaattaaa 960
caactacctg ctgamattgg tgaattatgt aacctatta cgctggatgt agctcacaat 1020
caacttgaac accttccaaa ggagattgga aactgtacac agataacca cttgacttg 1080
cagcacaatg aactgctaga cctcccagat actataggta tgagaggaga raggagakat 1140
tgatagctgt taatagctaa ctggatatta ataggactat ttttgatcca tttggtaatg 1200
aaaattcagg agtaaaattc acaattacca aagttgtaaa acttttaaga taatatttta 1260
aatcattttt tca                                     1273

```

<210> 1695

1063

<211> 800
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (11)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (57)
 <223> n equals a,t,g, or c

<400> 1695
 ctatgggtgtg ncctgtactg gcactttttat tctgggttttg acttgactta gatttgtntga 60
 tacttttggtt ttgggttttgg ttttgacctg gcttggggttt ttggatactc tgatttttggg 120
 ttgggtgtaaa ctgcaaaagt gtgtgtgccc tgtttttttg ttttgtagtg caygtgtggg 180
 gtgrgygtgg tgttttgtct cgaagaagca tgggtcaggt acaaataagc ccacccact 240
 aggaactatg ttaaaaaaaaa attcaagaaa gaatttaagg gagattacag tgttactgtg 300
 acaccaggaa aacttagaac tttgtgtgaa atagactggc cagcattaga ggtgggttgg 360
 ccatcagaag gaagcctgga caggtcccctt gtttcaaagg tatgacacaa ggtaaccctg 420
 aagccaaggc acccagacca gtttccatac atagaaagtt acagctgctt ttataacccc 480
 ttgccccgcc aacgtagtta agagaacagc agcataagcg gctggcagag gcaaggaaaag 540
 accagtagag agaaaaaaaa gcatctata ccaattctaa gttaatttag actaaacaag 600
 gtcttaatag caaaggataa ttgaaatccc aaacttacaa ggttttcaac aaaagtgaag 660
 tttgcttaaa gttaacagtgt taacatgtat tatggtaact tctaattctg tggccttaga 720
 cagtctagtc caaaggcata aagaaagttt gctttaaaaa aaaaaaaaaa gaatgggtat 780
 cttcaaaaaa aaaaaaaaaaag 800

<210> 1696
 <211> 518
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (496)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (517)
 <223> n equals a,t,g, or c

<400> 1696
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 tgaccatctc tactaaatgt acaaaagtga gctgggcatg gtggcgggca cctgtaatcc 120
 cagctacttg ggagactgac gcatgagaat cgcttgaacc tgggaggcga atgttgagc 180
 gagccgagac cacaccaccg cactccagcc tgggtgacat gagtgagact ccattctcaa 240
 aaagtataat aaaataaatg gattaaagac atgaatgtaa aatacaaaaa gtcaaatcca 300

1064

```

agaagaaaaat tatgkttatc gtaggagtga gtgtgaagtt aggaaaccca aagaaacaac 360
gggcaagggg gatgaacaag cagtttacag acacggaatt cagatcgcca ggaaatatgt 420
gaatggtgtt cgagtytgcc ggtattccat atgcaaatta aggcaacact gtgctcagtg 480
gctggcacag cattgnccaa ggcagtaagc gctattna 518

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<210> 1697

<211> 544

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (505)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (517)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (543)

<223> n equals a,t,g, or c

<400> 1697

```

cggaatagtg ggttttgctg caaccggttt attttccttc tgttttcacc cattctggca 60
caatctggcg ccatcgtcct tcttgtagg ccaagcctga aaatgcgaag cagagaggca 120
ggacaaaaat tgaggcgaat ccaggaacct gccaatgggt ctccgggtgc ggtctctgaa 180
actggaggat atcgggagga aaggctctcc gatgcggaga taatggggaa gctcttggca 240
tggttggtg taggtatgtg ataccggagg agcaggagtc aaataggata cgccgacttt 300
taattcaagg aacccttttc tgaaacactt tgccacaatg aaggaaataa ggaattgtac 360
tctcagagat gttgagaaaa gatacatggg tcttgggaaag ataattactc aaaatatgca 420
gggaagggat ctagtttgga agcacttaag gaagaattaa gacctccagt ttggaaaaga 480
gggcttctat caggaacaac acganttctg cttaaantgg aagccaagaa caaacctcca 540
atnt 544

```

<210> 1698

<211> 532

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (396)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (467)

<223> n equals a,t,g, or c

1065

<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<400> 1698
gaagaccctg gctctctata aaacagaaaa cgcaaacttt aatattatca acaatcaata 60
tattataaga gattgcaatt tctaagtttc tacctgagtg ttccacaaat acaaactgga 120
cattttccct ttaaatgagt ttattataa aatgtacata ttgattgtaa aaacaaaaaa 180
ttcaaatagt acaaaascac ataagtaact aataaaagct ccctttctgc attaggcccc 240
tcagttcttc ccagggaata tgattaatag ttacattct tgcagaaatt ttttatgtat 300
aaatttttac ccaaatgaat tcattatata aattttttcc aacttagtgt ttttttacat 360
aataatagca agtttaaaaa ttgttcttca ggccangcac gggtaggtca cgctgttta 420
tctcacactt tgggaagctg aagcaggaaa acacttgaag tcagganttc aaaacaaccc 480
tggccactgg tgaaaaccnt ctctactaaa ttacaaaatc acttggttg gt 532

<210> 1699
<211> 189
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<400> 1699
gcaacatttg tkaaaagtag agggctaaag taacaccct ctaagcattt gttttcagta 60
cttcctagga gtggttgcat ttgggaatgg aattgttaaa acttgatgct taggagcgta 120
tgctgactat tcaactgcgtg gtgggggtgga gaggaggagg aggtatgcag ggagaaggg 180
tctgtgcnc 189

<210> 1700
<211> 638
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (28)

1066

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (518)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (570)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (612)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (619)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (620)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (638)

<223> n equals a,t,g, or c

<400> 1700

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aattcccgagg tcntcccaag cgtcnttnag agagcgagag gaggttttga gagaggagat 60
tcagacactt accagcaagc tccaagaatt gcaagaaatg aagaaagaag agaaagagga 120
ttgcccggaa gttcctcata aggtacagtg accattcagt tgagtctccc gtcagggtgcg 180
gtgagacttt ggtcgtgacg gttctgaccg tttccctgtc cagagttttt tctgaccagc 240
cactgaaaat cccactcccc tttatcatca ccattgattt ctataactca tgtcgtgtgt 300
atcgaagtcc gggtttttga ttaattgact gtcagcaaat tgacttctcg aactgatatt 360
tgagtctcaa ggctgggtgag taaagagttt tccaaatctt ggtcatgcgg aggggtgtagt 420
tatgcggccg gagctgtcac tgagaggcag gaggggcttg gggggaaagg acgaaggctc 480
aaccaggccc ctgcatggac ctgggcatgc gtcctctnct ctcataaag ttccagaaca 540
caagttggca aaagcctcag cgggcactgn cctctgggtg ggggtggggct ttctgtgccc 600
ttccttgccg tnacttcann ttgtgcacgg gttgaaan 638

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<210> 1701

<211> 695

<212> DNA

<213> Homo sapiens

<220>

1067

<221> misc feature
 <222> (639)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (647)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (678)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (691)
 <223> n equals a,t,g, or c

<400> 1701
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 gcttgctcgtg gtcactgtcg ccttcatcca ggagtacagg tcggagaaat ctctggaaga 120
 gctgaccaag ctggttcctc cagaatgtaa ctgcctaaga gaaggaaaac tccagcacct 180
 gcttgctcga gaactggttc ctggtgatgt cgtatctctc tcgatcggag accggatccc 240
 tgcagacatc cgactcactg aggtcacgga cctcttggtg gatgaatcca gtttcaccgg 300
 ggaagccgag ccatgtagta raacagacag ccccttgaca ggcggtgggg amctcaccac 360
 cctcagcaac atcgtcttca tkgggamcct rgtgcagtat gggargggcc arggggtcst 420
 gattggaaca ggggaaagct ctcarttcgg araaktgttt aagatgatgc aggtcgaaga 480
 gacacctaaa actcctttgc agaaaagcat ggacaggcta ggaaagcaac tgacactctt 540
 ctccctttggc ataatcggtc tcatcatgct cattggctgg tcgcaaggga aacaactcct 600
 gagtatgttc acgatcgggg tcagcctggc tgtggcggnc atttcanaag ggtctgcccc 660
 ttcgtcgtca tggtgacnct ggtcctggga ntgct 695

<210> 1702
 <211> 545
 <212> DNA
 <213> Homo sapiens

<400> 1702
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 gtgttgggca ctgtctgacc atgttgcatt tggaaaggcta aatggggcca tgaagaaggc 120
 tggaaaggac agggggtgat ggcagcctac ctgggtgtccc ctaccccacc tgttctcgga 180
 gaaccaagtt gctacacagg aagtctctca aggtccagtt tcctttctcc caccagttgg 240
 tggaggcttc aggggaagacc agagtccctg acagagaggg taacaggagg agtcggggat 300
 aaacatcaaaa catcaatcgt gtgtcctgat ttgggagtgga ttggggggat ggggtgggag 360
 agggtagtt ggtattctca tggcctgatt ttttttgttt ctattccttt tatatcactg 420
 tgtttgaatc gagggggagg ggtggttaacc ggaaataaag acctccgatc ttccgccccca 480
 aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 540
 aaaaaa 545

<210> 1703

1068

<211> 1620

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (66)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1591)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1600)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1608)

<223> n equals a,t,g, or c

<400> 1703

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aattcggcac gaggggaactc tacctctgca gcgagtgcgg gcgctgcttc acccacagcg 60
cagttncgcc aagcacttga gaggacacgc ctcaagtagg ccctgccgat gcaacgaatg 120
tgrgaagagc ttcagtcgca gggaccacct cgtcaggcat cagagaacac aactggggga 180
gaaaccattc acgtgcccta cctgtggaaa aagcttcagc agaggatata acttaattag 240
gcatcagagg acccactcag aaaagacctc ctagckaggt ccccatgtga ggagatctgc 300
tttcagccct cacctaaggg aggtgaggaa gaggaaaagc cctcttgtca gcctgggaag 360
accttttcga gggagtctcc ctgacctgct cagatctgac attacctctt cctgcaacta 420
aacacgagcc tgggcagAAC ctctcagcct tcctctacgc cttgagggga tgtttcatcc 480
aaagtacaac ctgaattgag gcttctcctt cactggagtg cacctgcctc tacctcatgg 540
gtataaagta ggagaactaa gagacttaag aggtcgtggg tcctatatcg tccaaaaaat 600
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ccccttaggt ttgggaaggg acgagcctga aggattctgt ctttactggg gtcaaatctt 720
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cacaggataa ctgcatagat ccctcgctgt ctgattcact tcttaccatg cactttcctt 840
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tcaagctgct ccctcccca gcgtcaaatt gttatcaggt gccaaacact gctagaaagg 960
agggcctagt cagaagcctc tttccatacg agttttgggt ttgtttttta tttttttt 1020
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cggtcataat gaaatcgttc acattccctc atatgcacaa gccaccaaac cccttcacac 1200
cccccttcac aggggtcgta tgagtaaggg gatttggaac ctgtcaactt acaaaggcac 1260
tataacaatt acagaatcat gattgccatg ggccacttta ttacatgaa gacaactgga 1320
gaacgactaa gaccaaatta tggaaaataa gaaaaagctg ttgctggcaa gaccatcaag 1380
actgttctga caccctgtcc ccatcatccc tgactgagta ctctgacatc acggaaagtg 1440
ttgaacctgg gaccctgagg aattcaccag gagtaaattg ctttcatgta tttgtgttgt 1500
ttgctttttc ttacgtggat tttatgttca taggagctag gaaagtagcc tcttctgggt 1560

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1069

ggccccaaca ttcttcttgt ttgcccgttt naggggtccn.ttgaggagntg gagggcttga 1620

<210> 1704

<211> 405

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (321)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (334)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (399)

<223> n equals a,t,g, or c

<400> 1704

tgcacccgcc	cctgggaaag	atgctgatag	gtcttgctgg	ctacctgagt	ggatatgatg	60
gtaccttttt	gttccagaag	cctgggggata	aatatgaagc	atcacagcta	catgggaatg	120
aagaaggagt	kaaggcttcc	tgacttgaaa	tgggactgac	tgaaccctgg	ggccacactt	180
aaaccagaaa	tgttatagtt	tagcagccct	ggcgtggtgg	gcaggtgcaa	attaaagggg	240
actttgggtg	gtggagggag	aggggaggat	gattcagacc	cttcccctgt	gggtgttagg	300
attactcagg	aactgaggtt	naggggaagaa	gggnagagga	ggttgcaatt	attacaggga	360
tgacatagtt	agaaggcagg	cacgcatttt	tcaccgttng	ccctg		405

<210> 1705

<211> 1592

<212> DNA

<213> Homo sapiens

<400> 1705

aattcgggaac	gaggcggaca	gtgagaaggt	caggtgaggg	cggcaaccag	ctccccttgt	60
cccgccctgt	tcatectccc	attaccaccg	ccccacaca	ctcacacgca	cacttacgca	120
cagatcattg	cagcggatga	gatggggcta	tgacagaagc	ctcaggctcg	tttctyctc	180
cctcctccag	ccccctcccg	gcttcagcc	cattctcttt	gcagctgggg	ttcctaccct	240
accctactcc	cagctccttt	tccccgcgga	tggagagatg	gactctgctg	cttaccacc	300
cactcccctg	caggggggtg	aggactgatt	cagctactgt	atccccactg	ctgtgactgg	360
aaatgggggt	ggggagtgac	tggtcttttc	aaccctgggg	agttgaggaa	aatgtctgct	420
ttcacttcag	ctttcatttg	aatactgtga	tctgggtttt	attttgaaat	gtataaaaag	480
caaaccacgc	tacaaaggcc	ttttcaccct	tccactttgt	aactaatccc	agtcctctct	540
catcactcct	cctcttacag	tactctgcta	ttcatgctca	tttcatgttc	ttaatcttct	600
ttcctgttta	aaaatttttt	tttggaaaaa	atttgaaatc	atggctcctt	tttctgctga	660
atatattcta	tatatatat	atatataaat	tatatatata	tatatacata	tatatgtctg	720
gctacctcgt	tttagtttac	tttttttctg	aagccctgga	attctacaag	agagatatatt	780
tgagactgaa	acatgtttgt	gcctagactg	gaaagatgcc	cttggggttg	tccgtcttty	840

1070

```

tgtgttggek tcttcccagc ctccatccgt ccagtgtgcc ccacttccac attctggcta 900
taatttcctt tttctccttg ttcattggga tttagaggacc tatttctaaa tcttaattta 960
tagcacaaat atgtgggagc aatgagagtt gaaccgttgt tttgttgga gatgcagatt 1020
gtgtcttgaa aatgatgatt atatatgcaa attctgccct accctcacc tcttccaagt 1080
tcccccccaa aaaggtcaca cagtgcggct tcctgtggga aacaggagca gagctggcct 1140
gcagagcccc tggggctgtg atgaagctca tatcttatct ctgttctatt aacaaaatgg 1200
gagtttgtgg gttttaaaaa attccgtttc taaatggagg aatagatgac tttctttctt 1260
ttgggtgggg ttgggacttg tggctttaaa gaaatcactt ctgagtagga tgtatatttt 1320
cgttggattt ttgttgttat ttcttttaga ccctccacag caacatgcaa gaccatggag 1380
ttaaagaaac ccagagacct ttatcaatta attgtactgt ttgtgaattt gtataaataa 1440
taacaaagat cctcttaaaa cgtttatatt cttacagtaa aagggttaaac tgatatttat 1500
ataataaaag aggaaatatg aagtatgttt ttgaaaaaaa aaaaaaaaaa caaaaaaaaa 1560
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aa 1592

```

<210> 1706

<211> 1442

<212> DNA

<213> Homo sapiens

<400> 1706

```

aaaaaaaaactc tctaatacagt tgtacacaca ttgaaaactta tagccatggc cagatttttat 60
gctaaaaaatg gtagttttgtc aaagacaaaa ttctcttaga atctaatacca acttgccagc 120
cctgagaaaaa tccctttttaa ggccaaggaa agctgaatgc tagcagccag gcctgtggta 180
cttccatgag aaaccatagc agacaatgcc ctcccaagta ctgaaatcac actggaatcc 240
cccttgttgg gttcatttga ttgtttaaca caggatgtgt tgtgtcattc tgaagttttt 300
atttggggca gaagtcttta tggagatgta aatgacagcg tttctgggtt atgcataact 360
tctcactggt cagagacacc ggtgtgtcaa gcatggatat tgcattgcaa gacttgaatc 420
tataaaaaatt agaatacacac agtcagtact acaagcaaaa cagagaacct gaaagaaggt 480
gcacagactg taagaaaaaaa cccaagtttg tgatatttca gtgattccaa agaacattct 540
agggttttttg tttgtttttt tgttttttgg gttttttttt tttactgcag aaaattgggtg 600
gtattttcac attcatagtg tttctatcca atttcagtac ccacatttaa tgaggaaaaa 660
atgtttttacc aatgaaggag gaattcttaa attagctgta atgttaggtt ggagaaaaatt 720
tgggtatttag ggtattttca aggtaccatc aaatcagatt tctgtttttt tgttaaaaaa 780
aatttttttta atcagtattg tttttacaag taatatactt tgaaaactctt gaactaatag 840
tctcaaaaac tctagaggac agtctgagaa cacgtatttc tattgttcta aataaataca 900
tgtttttgaa tagttcaatc atgaattatt gactatgtct tcatcaaaaag tgttaatccc 960
tctcagggtc tctgggtgaag accttcaaga gtttgggttt ttctcccagg aaattggaag 1020
gtagaattgt aaattcatag aacttctttt ataatgggtg acctcagcag ctgcctttca 1080
atztatgcca agtccttaca gagtttatac ttgaatagta aatatgtctt ctgagtttta 1140
cagtgtctta aactcaatgc acattttttt ttcttctttt tccaccctt cttgtttgta 1200
gttcattata cctgtcctat tacagaaactg atttccttcc tggctgtaca tgttgggggtg 1260
ctggattttt ttccgtgtct ttagtcttcc ataaatccac acacacacac acacacaaaa 1320
aatatatata tatataaata tatatgtagg atacatgttc tcttcttttag cttgtgggtga 1380
atacagtaat ttgcattgaa gaataaaaca tctgttgccct tttttgacta araaaaaaaa 1440
aa 1442

```

<210> 1707

<211> 808

<212> DNA

<213> Homo sapiens

1071

<400> 1707

```

gtttcagggtc tttgtgtgtg gctttcttaa agccctgttg taaaaaatta ctatgtggat 60
ggcagtcctct cacatcacag atgtggaaag tataatttta ttttgtatt ttcaaataaa 120
taagtttgtg aaaggtttcc atcctctact gtggtccaga aagatgcttg agatatatat 180
atakatagat acatatatat gtatatatat aaaaaaata ctactacaa aagttccaga 240
gcctccctcg aaggtttctct actactgtat tctgtacata atgtaccatc ccatgtggaa 300
tctgtgagtg tctctttaag tagcgtgggc tagccaatct gccgttcag gtgtattgta 360
aactccgaat tccatatgta ataggatgca agtctaagcg tttcatgtgg acataaatgt 420
atctaaataa aactttccct agcactgtgg ctgacctcac cttactttt atactttagt 480
atgaaactga tgagaacttt ggtagtgagt atttttttta tatatataca tatatatgta 540
ctatctatat atatatctca agcatctttc aggtctttgt gtgtggcttt cttaaagccc 600
tggtgtaaaa aattactatg tggatggcag tctctcacat cacagatgtg gaaagtataa 660
ttttatattt gtattttcaa ataaataagt ttgtgaaagg tttccatcct ctactgtggt 720
ccagaaatca atgtgtttgt ctgacaaaaa aaaaaataaa ataaaaataa ctgttttgaa 780
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa

```

<210> 1708

<211> 1055

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (996)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1010)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1025)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1030)

<223> n equals a,t,g, or c

<400> 1708

```

gataaatcta tcaagaataa agcagaacgg gaaaggcgag tcagggagtt aaacagcagc 60
aacactaaaa agtttctgga agaaagaaag agacttgcca tgaagcagtc caaagaaatg 120
gatcagttga aaaaagtcca gcttgaacat ctagaattcc tagagaaaca gaatgagcag 180
cttttgaaat cctgtcatgc agtgccccaa acgcaaggcg aaggagatgc agcagatggt 240
gaaattggaa gccgagatgg accgcagacc agcaacagta gtatgaaact ccaaaatgca 300
aactgaagca gcaaacccac aaagcatcaa aagactcact cacaaacttc tgaacacaaa 360
ctccatggat gaaagctggt tattttgttt cttttatgtg taaacaagat gatatctgaa 420
accagagaga cttggaatgt ctgactgact tctatttaac agcttgagta ttgcatttcc 480
ttggccaaac aaaaatagct acaaatccac aaaaatttac tattccagta aggcagagtc 540

```

1072

```

caaccattga taatacaact taaacatggt tgctataaaa taccatcaca agtaaattgag 600
cttgggtgtga acaactctcc tttgtgatgc cttaggacat gtttgaactg cagcaaaaaa 660
caaaaacaaa aaacagtgca ttagcaatct catagcaagt gcatgcacta ggaaaagaaa 720
actctgtcta caagtttatt agcagaagtg gtggtctgct agacaaataa ttttgcaaaa 780
tttttctaca tctaagttac ctcatcagta agtgccatgt ctctaccatg ccatcagagg 840
ctaatttcct gtaaaagttg tggaaattgt tagamcaata gaaaaataga gcagtgtatg 900
tgtgccaaac tcatcattac tcaagggaga ctgtgttagg acattaagaa gttacactgr 960
catgctttat aggattgttc tgcmgttccg gtattntatt ccacctaagn tttgagtggg 1020
attgnaacgn tgtaattgtc ccagataagg ttatc 1055

```

<210> 1709

<211> 1044

<212> DNA

<213> Homo sapiens

<400> 1709

```

aaaaatcttc tagaggaaat actcaagcaa ctagtcattc ttttgatgtc agagtgtctaa 60
cgcagttgct cctgaattca gaccacagat ccacagccac agtccagata tgtagcgggt 120
ctgtaaacct taagggtgct gtgaaatgca gagcttatat ccacagcagt aaacccaaag 180
ttaaagatgc tgtgcaggca gtaaagaggg atatattgaa cacagttgct gatcgttgtg 240
aaatgctatt tgaggatctg cttttgaatg aaattccaga aaaaaaagrt tctgaaaaag 300
agttccacgt cctcccttat cgagtccttg tcccccttcc tggatccact gtaatgttgt 360
gtgattataa atttgacgat gagtcagctg aagaaatcag ggaccatttt atggagatgt 420
tggatcacac aattcaaata gaagatttgg aaattgcaga ggaaacaaac acagcttgta 480
tgagttcttc tatgaatagt caagcttcat tggacaacac agatgatgaa caacccaaac 540
aaccaattaa aactacaatg ttattgaaaa ttcagcaaaa cataggtgtg attgcagcat 600
ttacagttgc agtccttgct gcgggtatct cctttcatta cttcagtgat taggggtgagg 660
caciaagagt ttcttgatca tccagagaac attgacagac aattatgaat aataaagatg 720
ttaacaatcc atctgtatct aaaacactag cagccagatc tgctgccatg atgcctattt 780
ggtgtgtttc tgattaaaat gaaatcacaa gctgccttgt ttagcctgct ttacattgta 840
ggtggcccg c atttccagaa ataacgttat gcatctagat ggaagctgca tgtaacaaat 900
cattattatc tattttttaa agcttcaaaa tgatgggata tgatcataga ttttagtctt 960
actaatctga atcacatatt aatcaggaca ttaaaaactt taacagaggc atgatggctc 1020
acacgggtata atcctaattgc tttg 1044

```

<210> 1710

<211> 895

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (863)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (883)

<223> n equals a,t,g, or c

<220>

1073

<221> misc feature

<222> (889)

<223> n equals a,t,g, or c

<400> 1710

```

aattcggctt cgagcggccg cccgggcagg tgttctaaag ggggatggcc aaggggtgac 60
atcttaattc ctaaaactacc ttagctgcat agtggagag gagagcatga agcaaagaat 120
tccaggaaac ccaagaggct gagaattctt ttgtctacca tagaattatt atccagactg 180
gaatttttgt ttgttagaac acccttcagt tgcaatatgc taatcccact ttacaaagaa 240
tataaaagct atattttgaa gacttgagtt atttcagaaa aaactacagc cttttttgtc 300
ttacctgcct tttactttcg tgtggatatg tgaagcattg ggtcgggaac tagctgtaga 360
acacaactaa aaactcatgt cttttttcac agaataatgt gccagttttt tgtagcaatg 420
ttattttctc tggaagcaga aatgctttgt accagagcac ctccaaactg cattgaggag 480
aagttccaga accatcccct ttttccattt ttatataatt tataaagaaa gattaaagcc 540
atgttgacta ttttacagcc actggagtta actaaccctt ccttgatatc gtcttcccag 600
gagagaatga agcaaaacag gaatttggtt ttcttttgat gtccagttac accatccatt 660
ctgttaattt tgaaaaaata taccctccct ttagtttggt gggggatata aattattctc 720
aggaagaata taatgaactg tacagttact ttgacctatt aaaaagggtg taccagtaaa 780
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaagaaaa aaaaaaaaaa aaaaaaaaaa 840
aaaaaaaaaa aaaaaaaaaa aangggcggc cgttttaaag ganccaagnt tactt      895

```

<210> 1711

<211> 1614

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (353)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (361)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (366)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1606)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1614)

<223> n equals a,t,g, or c

1074

<400> 1711

```
tggggatgaa aggatctctg agaccacaga ggctcagact cactgttaag aatagaaaac 60
tgggtatgcg ttctatgtag ccagcagaac tgaagtgtgc tgtgacaagc caatgtgaat 120
ttctacaaaa tagtagagca taccacttga agaaggaaaag aaccgaagag caaacaaaag 180
ttctgcgtaa tgagactcac cttttctcgc tgaaagcact aagaggtggg aggaggcctg 240
cacaggctgg aggaggggtt gggcagagcg aagaccggc caggaccttg gtgagatggr 300
gtgccgccca cctcctgcgg atactcttgg agagtgttc cccagggggg ctncctgscac 360
nctggnagaa ggaagctgcc tgggtgtggag tgactcaaat cagtatacct atctgctgca 420
ccttcactct ccagggtaca tgctttaaaa ccgaccgca acaagtattg gaaaaatgta 480
tccagtctga agatgtttgt gtatctgttt acatccagag ttctgtgaca catgcccccc 540
agattgctgc aaagatccca aggcattgat tgcacttgat taagcttttg tctgtagggt 600
aaagaacaag tttaggctga ggactggccc ctaggctgct gctgtgacct ttgtcccatg 660
tggcttggtt gcctgtccgg gactcttcga tgtgccagg ggagcgtgtt cctgtctctt 720
ccatgccgtc ctgcagtcct tatctgctcg cctgagggaa gagtagctgt agctacaagg 780
gaagcctgcc tgggaagagcc gagcacctgt gcccatggct tctggtcatt aaacgagtta 840
atgatggcag aggagcttcc tccccacttc gcagcgccac attatccatc ctctgagata 900
agtaggctgg ttttaaccatt ggaatggacc tttcagtgga aaccctgaga gtctgagAAC 960
ccccagacca acccttccct ccctttcccc acctcttaca gtgtttggac aggaggggtat 1020
gggtgctgctc tgtgtagcaa gtactttggc ttatgaaaga ggcagccacg cattttgcac 1080
taggaagaat cagtaatcac ttttcagaag acttctatgg accacaaata tattacggag 1140
gaacagattt tgctaagaca taatctagtt ttataactca atcatgaatg aaccatgtgt 1200
ggcaaaactg cagtttaaaag ggggtcccatc agtgaaagaa actgattttt tttAACggac 1260
tgcttttagt taaattgaag aaagtcagct cttgtcaaaa ggtctaaact ttcccgcctc 1320
aatcctaaaa gcatgtcaac aatccacatc agatgccata aatatgaact gcaggataaa 1380
atggtacaat cttagtgaat gggaattgga atcaaaagag tttgctgtcc ttcttagaat 1440
gttctaaaaa gtcaaggcag ttgcttgtgt ttaactgtga acaaaataaaa atttattgtt 1500
ttgcactaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1560
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaangggg gggn 1614
```

<210> 1712

<211> 530

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (499)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (517)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (528)

<223> n equals a,t,g, or c

<400> 1712

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aattcggcac gagtagatat gaagatacca ccaccaccac caccgctatc catacctagc 60
```

1075

```

ctaaagatgt agagccctct gctggggctg aggaggagct gtgggggtgct ttctaagtag 120
actttccacc agcccgctctg gtttgtctag tcccattttc accccacatc cagagttact 180
attattacca actcctgagc atttgcagga ttctgtagta tgaattggga tgcttcttgg 240
ctttccctac agccagctta gaattgtgct ttctcaggtc tactaagttc aataccatcc 300
ttcagcctgc tctccagttt ccaacatggt actgttaagg ccttttccct cattttctat 360
cattgtgagt atgtgccctt tgaaaaccct tttgtctgca tttttgtggg atttggtgaa 420
gaagcagtgg taaatgcatg tattattctg tcactctaatg gttcaatgtt agctcttctc 480
ataagtgggg atgttaggnc tcagttgctt tctctgntga aatgaggngg 530

```

<210> 1713

<211> 728

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (468)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (572)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (625)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (724)

<223> n equals a,t,g, or c

<400> 1713

```

gagaattgag gttgcaaggc tggctaactc agctttgcct tcacgagccc tagaggccag 60
ccgaagatgt tctgcaggtc agggagacag gaccaggtaa cccagctgty actgaagatt 120
atatagagtt tgagaatggt ggaatatattg aaaatgctcc cccaaaaaag ctgctgatga 180
gttctggaaa tgtcaggaga ttaatctata cggacactgc tgaagaaaaa ggtagaagaa 240
taaaagatcc agtacttctt cctgggtaag cagttatgac cagagatgga accggcaact 300
ctttggccag aaagctgtat ccaaaagaca gagaagatga gaaacaggga gggcaaaggc 360
gaaaaagcaa ttggacatga tagctagatt tgtttcagga aaacatcctg ctttccaagg 420
atntagatga atgtttttgt tcactggtga ctcaggtaac acgtcttnca agaagccata 480
ggggagggtt gagggaggga agtcaagaag ggagggttag gactgcactt ttgatttact 540
tctgacttca cgagtcactt tctggccaaa gnaaatctct ccttttgctt ctagcaccga 600
ctagatttcc cttcagcctt gatgnatttg gactccccag aaattccgaa aagaaaactg 660
agttccccac aaaagctctt gttctgatcc tgggagcttc gccagcccca gttccaatta 720
atcnttcc 728

```

<210> 1714

<211> 1595

1076

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1592)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1595)

<223> n equals a,t,g, or c

<400> 1714

```

ggcacgagga aagctccaca cacacagccc agcaaacagc agcacgctgc tgaaaaaaag 60
actcagagga gagagataag gaaggaaagt agtgatggat ctcatcccaa acttggccgt 120
ggaaacctgg cttctcctgg ctgtcagcct gatactcttc tatctatatg gaacccgtac 180
acatggactt ttttaagaagc ttggaattcc agggcccaca cctctgcctt ttttgggaaa 240
tgctttgtcc ttccgtaagg ctattggacg tttgacatgg aatgttataa aaagtataga 300
aaagtctggg gtatttatga ctgtcaacag cctatgctgg ctatcacaga tcccgacatg 360
atcaaaacag tgctagtgaag agaattgtat tctgtcttca caaacggag kcctttcggg 420
ccagtgggat ttatgaaaaa tgccatctct atagctgagg atgaagaatg gaagagaata 480
cgrtcattgc tgtctccaac cttcaccagc ggaaaactca aggagatgtt ccccatcatt 540
gcccagtatg gagatgtrtt ggtgagaawc ttgaggcggg aagcagagaa aggcaagcct 600
gtcaccttga aagacrtctt tggggcctac agcatggatg tgatyactrg cacatcattt 660
ggagtgarca tcgactctct caacaatcca caagaccctt ttgtggagag cactaagaag 720
ttcctaaaat ttggtttctt agatccatta tttctctcaa taatactctt tccattcctt 780
accccgattt ttgaagcatt aaatgtctct ctgtttccaa aagataccat aaatttttta 840
agtaaatctg taaacagaat gaagaaaagt cgctyaacg acaaacaaaa ggtaaaatct 900
gatggtggtt aaatgacgat gtttaggttt tgataaattt agattttata cacatgatag 960
agcatgtatc tgtattttta aaaataaaga cagagaactt atgtttagaa caagagaagc 1020
catttggtag aaataaagaa ggagattggg gaaggagatg agaatgagtc agagagatag 1080
catttaaaac ttgaaatcag gcacaacaat tagtatgtca tgatataaac agtattgaga 1140
taaaatttta ccacttctct tycctttaat aaattgtcaa aggataaagt ttcctgtttg 1200
aaaatatatt ttactggtat tgtgctttcc tcatatcaca gattggtaaa gaatcatttt 1260
aagtccaaga ctcttatttt acatattctg caattaaagg tcctatgagg ctacctgccg 1320
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cttctctgag aattgagggt gcaaggctgg ctaactcagc tttgccttca cgagccctag 1440
aggccagccg aagatgtctg caggtcaggg agacaggacm aggtaaccca rctgtcactg 1500
aagattatat agagtttgag aatgttggaa tatttgaaaa tgctcccca aaaaaaaaaa 1560
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa anggn 1595

```

<210> 1715

<211> 591

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (166)

<223> n equals a,t,g, or c

1077

<400> 1715

```

aaagtagggg ccggaattcc cgggtcgacc cacgcgtccg cttgctagtg tccccgatg 60
catgaaggat cccccatgt catagggtccc acctgcctgc tgtgcatccc ggggtggccag 120
actcggcttc tccaggtgca cttgtcccag gtggcccggt ccgtangctg raagggcagc 180
tgcaggtgca ctgcctcgcg gacaggttag gatatggcca cgcagccatc catcttctac 240
agcacgcaca cccactctc tccccagtc aatatgtctc tctccgatgg gaaagttaat 300
aaattttgct ctagattaaa agtattgaty atttcatttg taaacgataa ataaaaaggg 360
ggaacttttc attgcgccag ggggtggcacc tggcgtgtgt tgcgggggtg attgcgctgg 420
ctgccggggg gtgggcttct catatgcatt ctggccggcc agctgcattg atttcctatt 480
agtctcccag caccacccag taacacatca tttcagtacc tgctattaat ggtcttttga 540
taaataatca cttgtaagtc aataaatttt tattaaacag traaaaaaaa a 591

```

<210> 1716

<211> 1974

<212> DNA

<213> Homo sapiens

<400> 1716

```

tacttttatac tttcaaaaaca aattcactaa aaataacacc tattgatttt gaagtcactt 60
ttctcaaac ttgaaaatga gctctaggat ctctataaac atttctaaca cttttcctgt 120
agtttatata gacagacatc tgttgtaga cctgtgtgtt tttaaagaat catatgttaa 180
caaataccca tgcaaagagc ttcaaaaagt gaaaccgtgt taaaggaaca caatttttct 240
cactcagaca tatttggttta ttgaattgca aagttttatt ttaaatcagc atttcccaa 300
agaatatata atatgacgct agttccaagg ggcttgactg agtgggtgtt tgctgggggg 360
agacaggggt ttgttaatac actttactaa atactgagct gaaaaatgtt aaatagattt 420
cacgattgcc tccttgaaga ttttaaagtt cattgtgggt cttcaaggcg aaatccggtg 480
aaccattcct cacacttacc tacaggactc ttttctaatt gagcatcttg tgaagctagt 540
gggttttttt gttgttggtta tttgtttttt ttttttaatt ctttagaaaa cacagcttta 600
ggatattgac tttttgttta tttctatttt caaatgctga aaagtcaagt cccagtttga 660
ataccataga aaagctttga tgcatttgta aattatattg cactctttca ctatatattt 720
tcaaaatcac tggaaatgtg ttatacaaga gaattataat tgtgtattgt aaataacata 780
ttaaaataca tatattaatg ccaatagtta aattcaacaa tatgtaatct aagggtgctcg 840
gttctacatg aagtatgagt taactgctca taattaagtt gccaaagattc tattatatat 900
ttatagacaa attaaaatga tcataattac aaatatgrtt tctttatcac ttaagctttg 960
ggctgattaa tatctgtgtg ggggtcaatg gaaactacat tctctacatt tataaacatt 1020
aatttaatta tttatatattt aggaaaatat atttgaataa aattaatgca ttttctagag 1080
taaatataaaa tgttatttagc aagaaataga aaatttgact aagataattg tgtatatgaa 1140
tcatttttcc cccaagttaa aatgtatcat aatagagagg ctctaatgaa tcaatttcca 1200
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tacagtcaat gaatcaaccg agtcactttg aggaatttgt ttttgccaa tttgctctgt 1380
gctcaatccc atgaattatt aaatttaca tgtttgtccc caaatgaaaa ccaatataaa 1440
tgaatgatgt tttaatctgt actttatggg aagttgccta tttgtcagta gatgtgggtta 1500
agtgagtcct ctggtgcagt gacatccttt taagccatct catagggatt taaagaaggc 1560
caataggaat atagatattg gtttttcttt ctctgacttg aactaagtag gagaaacca 1620
accataaac tattacaaac taccaggca gaggcattta ctttaattcat caactagtgc 1680
aattaaaacc ctgaaaacac atgatccttg ttgactctgc ttggttgaag caggaaagaa 1740
tggtcttgat ggtcagaaaag ttttaaaatt aatggkcagg gcctttcttg accctgtttt 1800
ccaaacacgt tagatattcc gtcttgaggg gattggagta ggctacagtg agggggtaat 1860
ttttggatgt atctggactt ttaaaaaatg tgcctatatt tatagacca tgaatattat 1920

```

1078

gtaaaatttta tatatgaatt aaataaatat tcmcctctga aaaaaaaaaa aaaa 1974

<210> 1717

<211> 559

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<400> 1717

```

cganacntcc tcactaaagg gancaaagct ggagctccac cgcggtggcg gccgctctag 60
aactagtgga tcccccgggc tgcaggaatt cggcagcagc ttctttctcc cgcgcttcct 120
tgtactgtgc attcctcatc aacgatggct tctcggactc cacgaaactg cgctgtactg 180
aagggcggaag tggatctgac cgcactggcc aaagagcttc gagcagtgga agatgtacgg 240
ccacctcaca aagtaacgga ctactcctca tccagtgagg agtcggggac gacggatgag 300
gaggacgacg atgtggagca ggaaggggct gacgagtcca cctcaggacc agaggacacc 360
agagcagcgt catctctgaa tttgagcaat ggtgaaacgg aatctgtgaa aaccatgatt 420
gtccatgatg atgtagaaag tgagccggca tgaccccaty caaaggaggg cactyttaat 480
cgkccgscag accccagatt actacagatt tctccatcta gcgggaacaa cagtgcacac 540
tgtggggggg attttcctg                                     559

```

<210> 1718

<211> 834

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (778)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (830)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1079

<222> (831)

<223> n equals a,t,g, or c

<400> 1718

```

tgtgtaatat gttctgtgtg agcctctgca ttaaactcga tttcttgggc aattatggaa 60
attccagtggt ggctgcagtt taactttgca ctctctatgc atatgaggtt tcctaaataa 120
atgaggagta gcatagttta aaatatatat atcttataac tttctacaac aaagaattat 180
tgagtccaaa tgtcatcagt gtcatttttg agataccctg ctatcgatgg tcgctacaaa 240
ccaggaaata ctcaagttat tatgtgtata cattggtttt agttttatga aacaatttac 300
cttcatgata tcatagttaa aattgtaata aatttaggaa tataaaggat caatatggga 360
agcaaaatth cttaaaggcag tttctgttgt ttttaattagt atttgtgtag ttcaaaccag 420
gaaggatttg actatcatta gatttttgctt aactttatga aagctaaaat attctctgtt 480
ataaaggggc aactccatct ggctctatag catctttact actgattttt ttttktttta 540
tttgaaaatg caaagaattg ttaaatgttc ttaaatgttc tcactacaaa aaaagaaaaa 600
agataactac gtgaggtgat ggatatgtta attagctgga ttgtggtaat cattttggaa 660
tgtatatgta tatcaaaaca tgtagtacac cctaaatata tataattttt atttgtcaaa 720
tatacctcaa taaagatgga aaaaaatcga aaaaaaaaaa aaaaaaaaaa aaaaaanaa 780
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa naac 834

```

<210> 1719

<211> 806

<212> DNA

<213> Homo sapiens

<400> 1719

```

gaaaaaagaa aaattgaaga acataacttt tctacttatg aaatagataa ttttttaaaa 60
ttgttttaaac tcctggaaat taagtgttat tttttattac tgcagttgag agataccttt 120
tcagaggaaa acaagagggt aaattccatg ttaagagcta agtagtattt ttttcttaac 180
aattttgcca aaattttcttc tactggacca aaaggaaata aatctacaat aaatctactt 240
tctaaatatt atttaagatg ggaaatgtct tttataggta tattctgtat aataccctta 300
attagatgaa ttatccctta tcattccaaa aatgaaatgc tgtgttaaat atctccaggg 360
caaagtggta tgttgactgg gacaaacgtt agaaattgta ttgttcattg cacttgttgc 420
cctgttcccc aagcttgtca atgttttagag atactattcg ggttgctaaa gccattattc 480
atagaaaatt tctgcccccta cagaagtgtg tgcattgggc ttggaaaatc tacatgtgta 540
tatctgagta gcgaagcaca gattcactct aattgaaagc agcagtttgg ttttgtaaat 600
gtaattgcaa ttgacacttt cttttccctt tcagttatta ttttttttaa aggacgttat 660
gagaaggcac tatgaaaagc ctaattggaa tagcattatg aaccatgtaa tgcattgcca 720
tgcacactgt gatttgcaaa catatgtccg ctcttcaata aatgttacgg ctttccaaaa 780
aaaaaaaaaa aaaaaaaaaa aaaaaaa 806

```

<210> 1720

<211> 505

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (387)

<223> n equals a,t,g, or c

<220>

1080

<221> misc feature
 <222> (428)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (430)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (489)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (503)
 <223> n equals a,t,g, or c

<400> 1720
 gccagatcta tttgcacatc gagaggttcc tctgtccctg catgggctca gtgaccttat 60
 cccacctcac tcccaattcc aggtagttag gcaggatgag gctgctccca gcccactgcc 120
 acatccagat tcagctgctg agtttatccc acaggaaaga ggtagcactg acagcgtgca 180
 cgctgtggg tgacgcatga tcttcaggag cagttcacca tgcgctgagc agggccagta 240
 ggaggcagct gtggaaggcc aggtacagca gcttcatggt caccaaataa gcctgacact 300
 caagcagaca gcagccaccc ccatgcagcc tcagctgcag ggccccaggg ttgctggcta 360
 cggcaggagc agcttcagtc atacgtnttg cacaggcacc catctgcctg aacctgac 420
 cctgtgtnan gcaaaaaatg ttattttaga aaaaaaggga aggttttttt aatactgacc 480
 taacttttng ttttattaaa ctnaa 505

<210> 1721
 <211> 679
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (4)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (18)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (510)
 <223> n equals a,t,g, or c

<220>

1081

<221> misc feature
<222> (637)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (649)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (655)
<223> n equals a,t,g, or c

<400> 1721
gagntcagcc tcactaangg aacaaaagct ggagctccac cgcggtggcg gccgctctag 60
aactagtgga tcccccgggc tgcaggaatt cggcacgagg tccggcgggc cgcgcctccc 120
gcaggccccag aagacggccg ccttgccccg gacccgcggc gccggcctct tggagtcgga 180
gcttcgcgac ggcagcgcca agaaggtagc agtagctgat gtgcagtttg gccccatgag 240
atttcaccaa gatcaacttc aggtactttt agtgtttacc aaagaagata accaatgtaa 300
tggattctgc agggcatgtg aaaaagcagg gtttaagtgt acagttacca aggaggctca 360
ggctgtcctt gcctgkttcc tggacaaaca tcatgacatt atcatcatag accacagaaa 420
tcctcgacag ctggatgcag aggcaactgt caggtctatc agatcatcaa aactctcaga 480
aaacacagtt attgttggtg tagtacgcan ggtggataga gaagagttgt ccgtaatgcc 540
tttcatttct gctggattta caaggaggta tgtagaaaac cccaacatca tggcctgcta 600
caatgaactg ctccagctgg agtttggaga ggggtgcnatc acaactgana ctcanggctt 660
gttacttaag tattcactg 679

<210> 1722
<211> 619
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (530)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (562)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (595)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (613)

1082

<223> n equals a,t,g, or c

<400> 1722

```

gcggaackcgt gggaccgagc ttggttaagca gaatagaaaa catccagaat gacatcagtc 60
tggttaagctt tgaaggaaac aaccaaagat ggtcaacaca actgcttggt cttttattta 120
ccatttcaca cctggtgcag tcaggaagct acatttaaaa aacaattttc tctttaaaaa 180
gaaaaacaac ccgtagtcaa aaaagcactc atttgccata aagctggaag gattcattca 240
ttggagctga ttgttcacat ttgtagaatt tagaattttg tgggtggaag gggccttaga 300
gttgaataag gtcttcaaaa ggaaacaaaa ggctcttgct ttctgtatga acagagtta 360
ttcacaagtc agttttccgt gatctatgag gagtgatttc agacaattag ctaattgggt 420
gaggcaggtg acctatcagc tctgkararg ggatgkttgc tcttagggat ctacmtaaag 480
aacatatctt acacttttyca tgacagtcaa aagcagcccc attaatcctn ctatgkaatg 540
gccagtcata accacagatg angagtgcac ttcatgaaaa cccttaacag ctgtnaacag 600
ttgatcactg gcnccata 619

```

<210> 1723

<211> 852

<212> DNA

<213> Homo sapiens

<400> 1723

```

ggttactttc ctgcgattat aattcttctt tgactttggt cacttttagat gttttactag 60
tgagttttga tgactccac cccttatgtg agaatgtgca tactttggaa acttgaattt 120
atccaaacaa gctacctatg acttagagtt tgggcataag ttttaaattc aatgctcaag 180
tcgaactgga tctggtccag gccactcca aggggtggtt caggggtggt ttttcagkac 240
ttgtccaga ccacacaggt agscttgktt ctgarggcag ctttatgggr aggtgtagaa 300
ggtggtgggc agcaaagca ctgcagagtc attttcttgg gtatgggtgt taagaagcct 360
gagattttca caagaaccag caaaaccagg agtggagagt tggggagata gagaagtagg 420
cctaaaactc cctcttcttg agtctttttt gacttaatac accattgggt ctgtcctggt 480
gctatggcct atcacaaagg actgttttaa gagagaagca agccacagcc ttgccagata 540
agtctccaac accagcagaa aagcacggac cctgatctgt gggaggcaag ggtctcccat 600
tatttctgga ggcaaaggt gccttctagt gaaatgggtgc caccatttgc tgatgggggt 660
gcctgttctc aggatgtgtg gaaactcagg cctgaggggt tctacatggt ttattcaatc 720
taactgcata cctagcttgg cagaatggag gtggacaaaa gtgctgaaag gatgagggta 780
ggcttttagg gcaaatcaag tcacaaagca gatgattgag ggaggttaca aagcttaggc 840
agagttaaag tt 852

```

<210> 1724

<211> 697

<212> DNA

<213> Homo sapiens

<400> 1724

```

catcagaccg accagcccaa gaaacatctc accaatttca aatctggcac ccactggaaa 60
tcagactgcc cagctcgccc gacagccact cctggagccc cttaaagctct agcccaaggc 120
tctctgactc cttcccagat ctattcggct tagcgactga agattgacgc tgcccgatcg 180
cctcggaagt cccctggacc atcacagaag ccgagcttcg ggtaactctc acagtggagg 240
gtaagtccat cccctgttta atcgatacgg gggctacca ctccacgttg cttcttttc 300
aagggcctgt ttcccttgcc ccataactg ttgtgggtat tgacggccaa gcttcaaac 360
ccctgaaaac tccccactc tggtgccaac ttggacaaca ctcttttatg cactcttttt 420
tagttatccc cacctgccca cttcccttat tagggcgaaa tattttaacc aaattatctg 480

```

1083

```

cttccctgac tattcctgga gtacagctac atctcattgc tgcccttctt cccaatccaa 540
agcctccttt gtgtcctcta acatccccac aatatcacc cttaccacaa gacctccctt 600
cagcttaatc tctccactc taggttccca cgccgccctt aatcccactt gaagcagccc 660
tgagaaacat cgtccattct ctctccatac caccccc 697

```

<210> 1725

<211> 468

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (433)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (451)

<223> n equals a,t,g, or c

<400> 1725

```

ctgtgaggtg aggcaggtgt ctagattccc tactcagctt acattaagtc caaaatgtgg 60
ggacgtcttt tattactgcc tgggtggggat ggaagtccat tgacactgct gggagaagga 120
ggttcatgct ggccagttgg gatgaaagtc ttagctcccc acttggtctt ccctgacacc 180
actgcagtgg ggtgttgggg tgccccttta cagccttttg agtgtgggat tctaggatcc 240
ccacttgacc ttccctgggtg tgggcagagg ttttttcttt ggtgtctggt gggagtagag 300
cagctgtcat ctaaaagtgt tctgtcttgc tgggacgtcc tgttctgggc ctttagctag 360
agagagcatt cttttgttag tactttttwt gctgtgtctg ttggcattty catgttgctg 420
gctttttcaa ctncaaactct gggatatatg ntgtaaaaag aaaaccca 468

```

<210> 1726

<211> 482

<212> DNA

<213> Homo sapiens

<400> 1726

```

gattgaggcc aaagttataa agatgggctc tcgatctact aatattagta aaatgggttt 60
gggacttact aacatttgtg cttagaagag acagacctgg caaagagctt ggagaagtga 120
gttccaaaga gagaggtgtg ggaaccagga tggaagagtc aggcctccag atagcgttta 180
cttctccttt cttccttgaa tctactgtctc asagataatt aggttcagaa gaggaggaaa 240
aaaaagatga ccgtcaacat ggagcagagt ttttcttaga ccttagccta gcaaggaaag 300
agaaatgcct ggtctcagtg ctgggaagct gttycagcca gagccccgtg gctgtgaaga 360
gagctctcct gyctggagcc aaacagaaag ctcataggtc ttgaggccag aaaagttagt 420
aggtggcggc tctggtcggg gctggaaatg gaggccagga tgaactaaga agcaaactaa 480
ag 482

```

<210> 1727

<211> 1897

<212> DNA

<213> Homo sapiens

1084

<220>

<221> misc feature

<222> (1202)

<223> n equals a,t,g, or c

<400> 1727

```
gctgctgcag cagcagctgc tctgcagagt ggtggccggg gccagggccg ggggtgccctc 60
cctcccacct tctcccgcca tgagccaggg aagtccgggg gactggggcc ccctagatcc 120
cacccccgga cccccagcat cccccaaccc ctctgtgcat gagttacatc tctctcgctc 180
ccagagggtt aagtctctgcc tcctggggggc attgctggcc cccatccgag tgcttctggc 240
ctttatcgte ctctttctcc tctggccctt tgcttggtt caagtggccg gtcttagtga 300
ggagcagctt caggagccaa ttacaggatg gaggaagact gtgtgccaca acgggggtgct 360
aggcctgagc cgcttctgtt ttttctgtc gggcttcctc cggattcgcg ttcgtggcca 420
gcgagcctct cgcttcaag cccctgtcct tgttgcctgc ccacactcca ctttctttga 480
ccccattgtt ctgctgccct gtgacctgcc caaagtgtg tcccagagtg agaacctttc 540
cgttctctgtc attggagccc ttcttcgatt caaccaagcc atcctggtat cccggcatga 600
cccggcttct cgacgcagag tgggtggagga ggtccgaagc gggccacctc aggaggcaag 660
tgccgcagct gctattcttt cctgagggca cctgttccaa caagaaggct ttgcttaagt 720
tcaaaccagg agccttcate gcaggggtgc ctgtgcagcc tgcctcacc cgctaccca 780
acagtctgga caccaccagc tgggcatgga ggggtcctgg agtactcaaa gtccctctggc 840
tcacagcctc tcagccctgc agcattgttg atgtggagtt ccttctctgt tatcaccca 900
gccctgagga gagcagggac cccaccctct atgccaacaa tggtcagagg gtcattggc 960
aggctctggg cattccagcc accgaatgtg agtttgtagg gagcttacct gtgattgtgg 1020
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aggctgggct gtccgctggc tatgtggacg ctggggcaga gccaggccgg agtcgaatga 1140
tcagccagga agagtttgcc aggcagctac agctctctga tctcagacg gtggctgggtg 1200
cntttggcta cttccagcag gataccaagg gtttgggtgga ctcccgagat gtggcccttg 1260
cactagcagy tctggatggg ggcaggagcc tgggaagagc aactcgtctg gcctttgagc 1320
tctttgctga agagcaagca gaggtgccca accgcctgct gtacaaagac ggcttcagca 1380
ccatcctgca cctgctgctg ggttcacccc accctgctgc cacagctttg catgctgagc 1440
tgtgccaggc aggatccagc caaggcctct cctctgttca gttccagaac ttctccctcc 1500
atgacccact ctatgggaaa ctcttcagca cctacctgcg cccccacac acctctcgag 1560
gcacctccca gacacaaat gcctcatccc caggcaaccc cactgctctg gccaatggga 1620
ctgtgcaagc acccaagcag aaggagagact gagtgcctca gcctctcacc cctcctcct 1680
cagggcagcg ctaggggcct cccctatgcc tcagcccat ctctgctcct gtttgaattt 1740
tgttattgtt gtttggttgt tgttttttta agttgatttt aattttttgt ttggttgatt 1800
tttttgtaaa aaactatttt atatataaat ataaatctat atctatatct attaaaaaaa 1860
atgaagtcca aaaaaaaaaa aaaaaaaaaa aaaaaaa 1897
```

<210> 1728

<211> 523

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (468)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1085

<222> (485)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (504)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (509)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (521)
 <223> n equals a,t,g, or c

<400> 1728
 gcagatattt ttcataagat aaatacccac agtgtatagt aatgaacctg gataataaat 60
 atcttccagc aaatatattta cttagaagac gattatattt tttaaatttt gagattaatt 120
 gaatatatac aaacagaaaa ttaggtacaa atttattatg tttatggctc ttatacaact 180
 atcaaggtaa aggaaattta ccaattaaat acaaagtagt aaaattcaaa atcacaataa 240
 ttaataatgt tctgctgcta caaaatgaga tggtgggttt aataatagaa ggaagtagca 300
 ctggtgaaat agaattaaat gggctcttgaa ttcattttgtg attggaatca gaagtcgcga 360
 gttctgaaag ggtaagggttt actgcaacat tgctaataaaa taatttcaag atgaaatata 420
 caaagatgag atccaagctc taacattttac ttgcaacatg aatatggnac tgggttcttc 480
 tccgncccca tctcattccc cctnctctnc tgctgctggt ngg 523

<210> 1729
 <211> 218
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (45)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (51)
 <223> n equals a,t,g, or c

<400> 1729
 ccggtccgga attcccgggt cgacccacgc gtccggtaaa attgnttttt ntataccaat 60
 atatgcatgt tttgtgcatg agtagtactt gtgttgatac tcctgttgat gttaaattac 120
 tatataatat aaacagtatg tgtttttata tatcattgtg taaatttaaat ataacatatg 180
 cagtaataaaa ccatttggtt tactgctggt aaaaaaaaa 218

<210> 1730

1086

<211> 580

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (414)

<223> n equals a,c,g, or c

<220>

<221> misc feature

<222> (555)

<223> n equals a,t,g, or c

<400> 1730

```
gcaaaagtgt gcacagactg tgattttattc atttgttgtct gtgacttttaa cccatcattg 60
atgctctcac ttaggtaaac cctaaagacc aaactagcaa cactagtcaa gggagtgact 120
ggagttatatt ctggttagcag tagccactgg catcctagaa acacatggac atttgtagca 180
tgaattgacc tattggtagt gcaatagcta tacatgattt ttattcttgg caaaagaaaa 240
tgcttcaaaa aaaaagtgat caaacctgca cattgatcct gtaatagcaa atggaaggct 300
atttctctgt actagcattt cagctttatg tgggaaagtt acccgttctc ctgcaagtac 360
aatcaaccct tgatgactta agtattaatt attctgggtg taactcacc aagntttctt 420
cctacatctt ttggctaatt ccaccacacc tcagcataca gtcagatggg aaaaggggca 480
gggtggattct catgtcatgc cytcttgkac cttattttca agttttgtgg tggargaggt 540
twaatatctg ccaanaatct ggatttttag cccgggtgcg 580
```

<210> 1731

<211> 637

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (327)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (586)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (593)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (616)

<223> n equals a,t,g, or c

1087

<220>
 <221> misc feature
 <222> (619)
 <223> n equals a,t,g, or c

<400> 1731
 ggagatttag aagcttcact caaatattaa gctttattta aaaagatgat ttccagtatt 60
 tcattttata ttcacattaa tcaagtctac atgtttcgtt tagagtaaca ggaagatggt 120
 aatacgccca gggaactatc tggaagtgtg gaaattggga tgaacaccgt gggtatactt 180
 gttttgatct gcctgtgggtg ctatgatgac ttattttctc tcattattgc atagaaactc 240
 aattcagtga tgttattcag atgttattca taagttattg ccatgattca tcaactttat 300
 gtcacacagag ttgggatggc taccanaat aggggatcct ggagatttcc ctgtagacgc 360
 tttgcattta taaataatcc tttatcaagg gcagagggat ttctgtagga cttctccctt 420
 agaagaactc agcctgggta gaaatcacgag gattaacatc agcacatatt catctccaaa 480
 aaattttcct cccattact cacacttgcc aataaataac ttgctttggg taaatattca 540
 gcactcagtc ttagtccaaa gcatttgctc agcaatcact gtgtanagta canagtaagg 600
 gggataccac aaatanaant ttgctctatt ttcttaa 637

<210> 1732
 <211> 423
 <212> DNA
 <213> Homo sapiens

<400> 1732
 cacattttct tgcttctttg catgtttctt aatttttttt attgaatgcc aggcattgta 60
 tgtaaaggaa tagtagacaa taaagtaata ttaatgacca gaaraaaatc atttctcctt 120
 agtcttatta ggccactagt gggctggggg gtggggagaa gggtggtgct gactgaatca 180
 ttttaagtga ttttaatttg aatatatttg catgtattag ctgcttctac taatcactta 240
 tttgtccata agccttgcat ctagaaatat ggcaatatag gaatattact gctttctgaa 300
 gtttcatatg cttctcacct tttattttat gtttgatgat ttttaatttt ttccctgcac 360
 agagtagtag gaatatcttt gcaacattaa gaaatacttg gtatgggtta cttacttaca 420
 ccg 423

<210> 1733
 <211> 1281
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (426)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1273)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1277)

1088

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1278)

<223> n equals a,t,g, or c

<400> 1733

```

agtttgctgg tcttccaata ccgaagaaag ggtgggttggtg acaatacctc ttgctttctaa 60
agaatgtatt ataaaaacacc gcagattttt ttttttcctt aaaaaaact acctgatgct 120
ttccttggtc gtgggggattg tggtcacatg aagctctttc tgcatacagta ttaagggtgta 180
tatttgaatg tcttccccctc ccttttcccc tccaggctgt gtagctttga ggggctgggc 240
gtttgctcac gaccttgctg tctcgtcag aacatgctcc gcaaagtctt ccgcacacac 300
ttcttcccc tcaagcccat ttcttcccc aaccacaaag gtgtttgtga ttctcaccc 360
cgggaaacca aggagctgca aagkggagtc tggttcagcc ccgtgcagac tcaccagag 420
cttaancgtt gtctttcaaa caccctgagc cttcctaaac agccagtgcac gacgttctct 480
ctggggccacg aagccccctg ggtcctcccc gtccccctgst ccgatgcata cctcagtgcac 540
gaaccacaga atctctgcag cggaaacgcc gtgcattctt tgtctgttgg cagcgagcac 600
atcgtgctgs gagacacgag tttctaagca gctggcacga gggctgctga cggcatgggt 660
cgtgcttcag ggtggcaata cctcttagga acttagggca ggaagcaata cttcagcatt 720
gaatgtgtgt aaatagttgc tttgagttgc aattgctatt ttcttctcag tcccagctca 780
gatcgaatta tatatccata tatatatata tatatatata tggtaaacaa gcacacacaa 840
ttttatccaa tgcaaacaaa tgtagagcat cagttacaaa accctcgaat agcttgagag 900
ccccacaggc tctgccacac ccgtgacttc atccacactg acgtcacccg cggggggtcc 960
ccctgcacat ttgcacacga tccggagagc cgaaggccgc gtgcttcctg tcacatgggc 1020
tgtaatcatt tgtagtttcc aaagacacgt ctgcatttga atttctagat ttctcaggtgta 1080
aggagttttt ttttaattggt tgtttggaaa atcacatcat gcctagaatc tgaaattgaa 1140
ttagcaagaa ccgactgttt gcattttcca tatatccttt tatctgctct ttttaaattg 1200
ttaattctaa taatttcaaa atgcattcac tgaagaaatg gacattaaaa tattctaaaa 1260
tttaaaaaaa aanaaannaa a 1281

```

<210> 1734

<211> 275

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c

<400> 1734

```

gttttaagaa tgcagcatgg gtctggcttt ggaattgant tcaatgctac agatgcgtta 60
agatgtgtaa acaactacca aggaatgctt aaagtggcct gtgctgaaga gtggcaagaa 120
agcaggacgg aggggtgaaca ctccaaagag gttattaaac catatgattg gacctatrc 180
rcagattata agggamcctt acttgagaa tctcttaagt taaagggttgw atctatatga 240
tctgtttag gtacagaaaa attgaaagcc agaga 275

```

<210> 1735

<211> 1031

<212> DNA

1089

<213> Homo sapiens

<220>

<221> misc feature

<222> (796)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (821)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (976)

<223> n equals a,t,g, or c

<400> 1735

```

gagccaatct t gatggtggg tgtggcatta tgtgtcact ttattgagcc tatgttaatt 60
tcttttagcat gctcccccta aattgaaata gtgatgtagt aaatattcag aagcgatttt 120
cttttgcat tttacctaac caaggaaacg ggccacacac cttggtttag ggatgttgtg 180
atagcttacc ttccagtttt taagaaatgc ttcctrcaac tgctgtcaac cactgtattg 240
tctttaatga acactgttgt atcccatcct aattccttga ctgaaatyat ttctcatgaa 300
agtttctcta atatttctaa tgaaagtttc tctaatttgg gggcataatg tactaaraat 360
cagtttgctg tatattagaa taaatagtaa cagtaagtca gcaggattat ccaaacaaaa 420
gactagggtt tatgagataa gcttgattta agaaaaaac aattaaagta tgratatcmg 480
aaatactgtg kgtttactct cagatttttag ttggttggat ttaatatcaa gataactagc 540
tgctaagcgt ttcataattc tcacagtgat attagatttc aaaatgacac tgagagaact 600
gaaaaactac atcagtcaaa ttcattgtat tatatcatat agcctttaac tttttacatt 660
aatcagattc ttagtaaaat gcagmctgta tacctaaata ttaaaatatt tacttttata 720
atcttacctt ttatttcaat ataaataaaa ttcttcttag gttaaaaaat taatttcagt 780
tgtgtttatg ccaganggca ttgccttagt tgggtgcaagc nctcaatatg tttcattctt 840
ttttatagtc tttcacattt ataaggaaaa gccttatctc caactgaaac accagtctta 900
ctactacggt tttaaaagtt gttaatgatc cattatctat tataaggcct ttatttacat 960
agcaaattac ttaacnttta ttttgaatat aacagatttt taaaacggga cttttaaggg 1020
agccctaggg g                                     1031

```

<210> 1736

<211> 338

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (282)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (295)

<223> n equals a,t,g, or c

1090

<220>

<221> misc feature

<222> (320)

<223> n equals a,t,g, or c

<400> 1736

```

ccaactgccc gttcaaggcc atgggttggt tggggcccag gaagtgctga accatgtcct 60
aagggacatt gagctgttca tgggaaagct ggagaaggcc caggcaaaga ccagcwgga 120
gaagaaattt gggaaaaaaaa acaaggacca gggaggtctc acccaggcac agtacattga 180
ctgcttccag aagatcaagc acagcttcaa cctcctggga aggctggcca cctggctgaa 240
ggagacaagt gcccctgagc tcgtacacat cctcttcaag tncctgaact tcatnctggc 300
caggtgccct gaggtggcn tagcagccca agtgatct 338

```

<210> 1737

<211> 426

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (419)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (422)

<223> n equals a,t,g, or c

<400> 1737

```

gacacacatt ataatetaat gagttaagga aaaatgcttt gattcctata caatttttct 60
ataattgctt ttacacatct cattttcaga agcactcctt gttttttggt tgttattggt 120
gctgttggtt ttcttggttag ctagaagaag acataagcaa aaaaatggac aaagatgaag 180
aggctttgaa ggcagctcaa gcagaactca rggaggcccg acgccagtgg caccacctgc 240
aagtggaaat tgaatctctc catgctgtgg aaaggggsct tgaaaactcc ctacatgccc 300
gcgagcagca ttaccagatg cagctgcaag acctagagac tgtgrttgam ggwctagaga 360
aagagctaca ggamgttaar rcgckgcawc swaaagcagc tttcaagwgc acgwgatgnt 420
tnttca 426

```

<210> 1738

<211> 792

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (233)

<223> n equals a,t,g, or c

<400> 1738

```

ctgcggggcgc acacagtacg acacgaggag aaagtgccat gtcacgtgtg tggcaagatg 60

```

1091

```

ctgagccccg ctgacccttt taatttttaa gartgttcaa tccgagatga atcatttgaa 120
gtatttttat atgtatatct atttaaaact aatatattat taaagcttaa ttgccatgcc 180
gtttatcttc tctgaaagaa cttcaaactct tacctgccaa catattcacc atnawttatt 240
ttttaatacc ttccatacaa taactttttt aaaamaacct cagattgaaa aagcaaccta 300
aattactttc gctctctaata cagcattttca atgtatttat ttttaaagt tctcaaaaag 360
taactaaaaa attgtgtcgg accctacttt tgagaaatct acgtttccca agttttatgg 420
gaactggcta ttccttgccc cggcacacct tctcattcct tcctttcaga gcctaaaacc 480
tcatttgata agcactccta gtctctggcc tgtggatcca gtgctattct gtcaccaacc 540
taagaatccc aattgcacct tctgtttctg acagtcacag gtgacagctg tgattctata 600
atacagactg gtgtcttaga ggtaggaata atacatgatt atgaagcatc accctgctaa 660
tacataataa tgtcttttta tattataagt gattgagttt agttcattty aatacattgt 720
acatgaaaaa atgaaaagta gaacttttga atactttaat caataaaatt aattaccaa 780
aaaaaaaaaa aa 792

```

<210> 1739

<211> 468

<212> DNA

<213> Homo sapiens

<400> 1739

```

ctacccccct gagactctgg ctttctatct tatagaacta ttttaatgat agtttaaaca 60
tgtataacct ttactgggta ttttctgttc cccttatctt gggagttcag cataatgctg 120
tgcggatcag gataacaagg tcccactgag gtgaaggagg gaggtggga atgctacagc 180
ctggagtgga ggtgtgattt cagtaggtgg aagggtgtct tcctgaaagg aattggcaga 240
agtagattct tactgattca gatacatctt ccaccaactg aaggaaggaa ttattaaagc 300
caatggtgaa caaagcattt caagcatttt ataggaagtg actagatgag gagatttttt 360
tcatttcctt tttaatcagc aaaaaagaaa ttagtattat tgaattagca gattcttcct 420
attctatatt aagaaagatt taatttttgt accaaggaag gttagggtg 468

```

<210> 1740

<211> 107

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (101)

<223> n equals a,t,g, or c

<400> 1740

```

gcaactagcc acgagttgtg tttcatctga accttcaccc cctctctcct ggggactatt 60
ttgaaataaaa tctaagacat cagggccagg ctcagtgatg ncttaga 107

```

<210> 1741

<211> 485

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (461)

1092

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (465)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (468)

<223> n equals a,t,g, or c

<400> 1741

```

ggtttagctc attgttgaaa ctgtttgctt taattcaagt agtctagtgg aagaaagaaa 60
ggtggcatag tagcagttgc agaatgaaac ctggaagaga gaaagctatg tctaacaagg 120
gcagcagctc tgagttgccca gctagttagt agcagttagg atgagaagtg ctgaccaact 180
tttctgtatt ctgaaatctt aggggtcaaaa tatatttcat ctgtgtttta actgtgcagt 240
aggactgtaa agttttcaca atactttggc ttttccatat ttgtatgggt tgtatttagt 300
taatcttaat aaaaatttag acttcaagaa aaattgggag aggaggtgwg taattttgct 360
tgctttctcc tcgttggatg ttgggtctca taactctaatt attgagggtg aattttgctt 420
ttgtaaaatt ggactgaagc taagatcatt ccatgagagg ntcanaanaa cttgcacaag 480
tgcta                                         485

```

<210> 1742

<211> 412

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (374)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (398)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (401)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (404)

<223> n equals a,t,g, or c

<400> 1742

```

gctggaattc attggatagc aaccaactct ccaaggcatt gttctcagta cagacctggc 60
ctgagtatcc tccaaatctg aactttttaga gatgaatcca aatcaataga gagcagagtc 120

```


1093

```

atagagagtt actgtcagag agcatccagt taaaggggtga atgccagagc ccatgtgtat 180
caatcaatag agtgccacat gcctatattga agtattatac caaagtgtga cacgtgcatt 240
ctgcgttttgt gctatcctat gcctatcatt taaagttgct cccaaagtaa gtcatttggc 300
tttccaacaa ggacattttc tttcattttta caacatgcaa tatatttgta acgacctggc 360
atttttctga attnaagttc accacccttt gcaggacnga naangactgc cg 412

```

<210> 1743

<211> 394

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (58)

<223> n equals a,t,g, or c

<400> 1743

```

aagctggtac gcctgcaggt accgggtccgg aattccccggg tcgacccacg cgtccgtnc 60
tgcggtccgcc cagcggtccg gatctactga gtaaagaccc ctgcctttcc tcccgggtcag 120
gggtcctcca gtgcgtgatt tcttggttct ctcaggacat caatgatcat cctttggata 180
ggtagcgaag tcacattttg ctgttaagt gttgtttttc tattctttgc ccctttccgc 240
agcagcaggt ggggcctcgt ctatgcactg cgctcaggtg cagatgggat cgagataatt 300
gcttgaattc ttgtgcagac ttttgtaatt ctgcagtaga gacaaaagtc ttggaatccg 360
tgctatcaat gtaagaatgt tggaatgctg ttaa 394

```

<210> 1744

<211> 953

<212> DNA

<213> Homo sapiens

<400> 1744

```

gtccggaggc agcagtgtcc acctttcaga cccagttgca ccatcttctg caggactgta 60
ttttgagcct gaaccaatatt ctccacgcc caattatttg caacggggag aattttmmag 120
ttgtgtttca tgtgaagaaa actcaagctg cctcgaccag atctttgatt cctaccttca 180
gacagagatg caccgggagc ctttgctcaa ttccacacaa agtgctccac accatttccc 240
agacagcttc caggeccacc ctttctgctt taaccagagc ctgatcccag gateaccttc 300
aaattcctcc attctctctg gctccttaga ctacagttac tcgccagtgc agctgccttc 360
atatgctcca gagaattaca attcccctgc ttctctggac accagaacct gtggctaccc 420
cccagaagac cattcctacc aacacttgct ctcacacgcc cagtacagct gcttctcttc 480
ggccaccacc tccatctgct actgcgcac gtgtgaggca gaggacttgg atgctctcca 540
ggcggcagag tacttctacc cgagcacaga ctgtgtggac tttgccccct cagcagccgc 600
caccagtgat ttctataaga gggaaacaaa ctgtgacatc tgctatagtt aatagaaatt 660
acagtaattc agaacatggc atgggtatat ctatttttct accacgtcta gatgacactg 720
caaaatatgc aacttggtaa cacaatatcc caagcacagt ttacatgtca ctatttccaa 780
ttttctgatg ctaagcattc atatgaagtc ctcagaccgc gtcacagcgc cactcctact 840
ttgtatgctc atagttttaa tttttgtagg aaactttcaa ttgttttact ttttgtataa 900
cgaacaaatg ctgtctcctt ttttactaat aaataatttt gtattactaa aaa 953

```

<210> 1745

<211> 392

<212> DNA

1094

<213> Homo sapiens

<220>

<221> misc feature

<222> (93)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (227)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (238)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (390)

<223> n equals a,t,g, or c

<400> 1745

```
agttgatcaa aacggaggga caaaaaacgg ggtgggggtgg gaagcaggaa acagtctctt 60
aacttctcaa ggactcagct ctactaagg agnaatttcc tactgtctct ctgggatgct 120
attgtgatat ttaattaatt ggaattcttt tctcttatga ataatttctc tgagcaacag 180
ggtacaattt tgcataaag gcaatagaac tataggagg aacaagntca aatgcttncc 240
tttcaagaag gtgccgtata cgtcttatat aaaaatatac attccattaa tcttatatcc 300
tctccctaac cactaaaatg caaatgaaaa tatttatata agacgtatac ggcaccttct 360
tcaaatgctt ccttttcaag aagggtgccgn at 392
```

<210> 1746

<211> 533

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (486)

<223> n equals a,t,g, or c

1095

<220>
<221> misc feature
<222> (501)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (515)
<223> n equals a,t,g, or c

<400> 1746
cctccctgca gnttgagatg tgtcnaagag acaggctcta atacgactca ctataggga 60
agctggtacg cctgcaggta ccggtccgga attcccgggt cgaccacgc gtccgagatc 120
agttggcctt atttcctcag tggaaatcta ctactatga tgtggtagtt ggcgtgttgt 180
cagctcgcaa taaccatgaa cttcgaaacg tgataagaag cacctggatg agacatttgc 240
tacagcatcc cacattaagt caacggtagg ttttctgagt tgttgccctg cctggtttat 300
tgaaataaga gttctgaaaa acctagccag gcgtagtggt gtgtgcccgt cgtcccagct 360
accggggagg ctgagggtgga aggattgctt gagcttggaa aattgaggct gcaktgagcc 420
atgattgcac cactgcattc tagcctgcac gatgggaatg agtcctgcc taatttaaaa 480
aaaaanaaaa agggccggcc nccttttcgg gcggnccccg tttcccagga caa 533

<210> 1747
<211> 251
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (174)
<223> n equals a,t,g, or c

<400> 1747
agatgctata aaagtaaaag aatataataa tttgctcaat gctcttcaga tggattcgga 60
tgaaatgaaa aaaatmcttg cagaaaaatag taggaaaatt rctgttttgc aagtgaatga 120
aaaatcackt ataaggcaat atwcarcctt agtagaattg gagcgacaac ttanaaaaga 180
aaatgagaag caaaagaatg aattgttgtc catggaagct gaagtttgtg aaaaaattgg 240
gtgtttgcaa a 251

<210> 1748
<211> 355
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (353)

1096

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (355)

<223> n equals a,t,g, or c

<400> 1748

```

gcatgtgnga gacgtgattc tggaagtga cgggtatcct gttggggggac agaatgacct 60
ggagaggctt cagcagctgc ctgaggetga gccaccctc tgctgaagc tggcagccag 120
gtctctgceg ggcttggaag cctggwtcc ccctggggct gcagaggact gggctctggc 180
ctcggatcta ctgtagagca cccctgcttg gtacagacat actcaggggc taccgtgtct 240
tcactctcca gctgaggtg gtgaaggcag gatgctctct ctaaagccag accagaggga 300
ctcagacacc accgatcaca ggctggccca ggtgctccct cccttcctgc ccncn 355

```

<210> 1749

<211> 832

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (777)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (791)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (799)

<223> n equals a,t,g, or c

<400> 1749

```

gaaaaaaagg ataaaggaag gacttaagca aaatcttcct tgtaagtaga aggatgtttt 60
gacaagaaaa gttgcaatgg aaaaatggtt ctcatgtaca cgagtatgta gaataagcat 120
cgtgtgtgga ttggattcag atcaaaacat tgcttttatg tttgtgtctt tatacgggtg 180
gagtataccc tggtgcccca ggatgaagac ttgacctgac ccatgtattt ttagattact 240
cacagataac aaaaagtatt ttcacatga ttagttgcga aaacagtttt atttcaatag 300
gtaaaacgtg cagtcctatg taatcgtcag aaggtaatct taattatagc ttgggtgtgc 360
tttaaaactgc aagctggcag tggagggcac gattcctctg atttcagctt tctccttata 420
cttttctgga gctgtgagct gcaagttaac tcagtgggat taaagtgtag actggaggta 480
caaaagggtg ggagttagga gatagggtag ttcttccttg gctggctggc ttcattratcc 540
ctgggccccg cagataatta aatcgacttt ttctgtctca ggcatttgta tgacctcttt 600
ggaggttccc tgctgggtag ttatccttgt atctgatggg acccatctca atttaaaata 660
cttctgccag ggttcgggag gtttcatggc ttgttcaccc ccagcacttt tggggaggct 720
tcagaggtgc catttggtt tgagcccaa gaattttgag acccagccgg gggcaanccg 780
ggggttgaaa ncctctttnt tcccatttaa aaattaccaaaa aaaattaggc cc 832

```

1097

<210> 1750
 <211> 484
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (434)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (446)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (454)
 <223> n equals a,t,g, or c

<400> 1750
 ggagagatga gaatactatg aaaaatatat ttccaacaaa gaggaatta gaagttgcat 60
 gttcagattg tgaagttgaa gttctcccat taggattgga aacacatcct agaactgcta 120
 aaactgagaa atgtccacca aagttcagta ataatcccaa ggagcttact atggaaacga 180
 aatatgataa tatttcaaga attcagtatc attcagttat tagagatcct gaatccaaga 240
 cagccatttt tcaacacaat gggaaaaaaa tgggaatttgt ttctcggag tctgtcacty 300
 cagaagataa tgatggattt aaaccacccy gagagcatct gaactctaaa accaagggag 360
 cacaaaagga ctcaagttca aaccatgttg atgagtttga agataatctg ctgattggaa 420
 tccagatgtg gatnagatat taactnaaat tatnaggaga aggaaacttc caccaagggg 480
 gcag 484

<210> 1751
 <211> 772
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (214)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (766)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (772)
 <223> n equals a,t,g, or c

1098

<400> 1751

```

gcgcaagtac gagttcgaaa aggacctcag taagcagctg ggcttcttct ccttcccat 60
caccacgtg ctcagggacc tttccctggg cttaaagaag gtaaaaggct cccgcatcca 120
cctgtcctcg gagacctacc ggagctgcct gctgcgtaaa ctggaggagt ccaaaagggc 180
ccggcaggcc tcccgggtca gcacctccca ctgnagcaca gagacacct ctgtgcagca 240
ggaaccagcc acccacactg cccaggacca ggccacagag ccctgccgct ccctctacac 300
caacttgcca gccagccggc agctcagccc tttggagccc aagctctaca tgtctgcctg 360
caccggcatg ggttccagtc cccccaagtc caaggacatg gacaatgagg gccgtgataa 420
agccgagatt gaagatgaag atgaggatga gttcaaggat gaagaccagg atgaggacaa 480
ggatgaggat ggagtctaga gcctcccaga gcctggagag gaggcctcgg tcagccactc 540
cgtggacgtg ggccacgggtg acccaccatg aagtcccccac tagccactcg attccctgct 600
ctgtcagagt tgctgcacat cacaccagcc cctgccaaaga gcaggagtca ccacaggctg 660
aatgcccacg aggagctctg ctgagactct caagggagcc agtgaaagaa atagaaataa 720
agcctgtgyt gctgggacac aggtttgctg tcctgaaaaa aaaaanaaat an 772

```

<210> 1752

<211> 384

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (370)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (375)

<223> n equals a,t,g, or c

<400> 1752

```

tcgacccacg cgtccgacca gcatgaggta aagaaaagak gcataatgtt tgcctttgtt 60
ttgtttttat tttaaagccc aaggtctttg tttttgaagt aacagcttaa tttttaccct 120
tcataatcag gagagttact tagatgctct ctatcatgatt tgttgagggt ggaatgattt 180
ggcagtcctt gaaatttatt ttggggagga ggtggcagaa gagtggagtg taccagggtta 240
tgagatttct cttaaccac caacctaaact tctgttcttt ctgcacctca gagatgaaga 300
agagatgatg atttctcttc ctcaagtcct tcttattctt gctgtcctgt tttttcaggc 360
caagattggn cttgnttggt tgca 384

```

<210> 1753

<211> 222

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<400> 1753

```

atgacacaga ggctgatgtn ttggggcttg tggttcagg gaccctgat gtggccagg 60

```

1099

```

ccatgactca caccctactc aggcattctgg cagcaaggcc ccctaccag gccagcacc 120
agcatcagtg tcccyatgc ctgctgcccc ttccaggggt tctaacagga tgggggtggg 180
tctggcagaa ggcagagtta tctgaagcat gggggcagga gc 222

```

```

<210> 1754
<211> 650
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (184)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (646)
<223> n equals a,t,g, or c

```

```

<400> 1754
aaataatttt tacattttgt attttccaac caaacagaat cgggaccagt attcacatct 60
gctaagtgat cattttctgc cataccaagg tcataattcc ttccgtgaga aatatttttag 120
tggggtaaca aaaagaattg ccaaggaaga aaaatccacc caggaatgaa aattaagatt 180
ttgncaatga agaaagaata agaatttgat ttaaaaagac atctggatgt gaactttcat 240
gtatgatcca gaaaataggt acgggtttta aatattttat atagaaaagc tacaaagtaa 300
attgagcaat gcttttaaaag ttatctttgt tttatagact tttttgttgt atgtattaca 360
gtctttataa tcttatttaa tgtatatttg tactttcaag tactgatgga gatagactca 420
aaacagttat ttttttataa ttaatctaca aagggaatta atattgttga cttttaaaac 480
atctgctgga tatattatat gcaattaata gtagttaaga atttattcat ttggtagata 540
tgtttatttg gtttttggtt gtcatcgatt tacattgcc aataaaacc atattgagaa 600
tttctaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaanaaaa 650

```

```

<210> 1755
<211> 560
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (504)
<223> n equals a,t,g, or c

```

1100

<220>
 <221> misc feature
 <222> (526)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (541)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (548)
 <223> n equals a,t,g, or c

<400> 1755
 agtggtccgg gagcaccggg nctccgtcat ctgtctggag ctggtgaacc gactcgtgta 60
 ctytggcagc rcggacagga ccgtcaagtg ctggctggca gacacagggg agtgtgtgcr 120
 cacgttcacg gcccacagac gcaacgtgag cgccctcaag taccacgcgg gcacctgtt 180
 cacgggcagc ggggacgctt gcgcccgggc cttcgacgcg cagtctggag agctgcggag 240
 ggtgttccgg ggccacacat tcatcatcaa ctgcatccag gtgcacggcc aggtgctcta 300
 caccgcctcg cacgacggcg ccctgcgcct ctgggacgtg cgcgggctcc gaggtgcccc 360
 gcggtccctt ccgcccattg gcagcctctc gcggtcttc agcaacaagg tgggctgcgc 420
 cgtcgcgccc ctgcagccgg cctgatcccc cgggggccct gcagacgcca gccagacac 480
 ccagcggctc ccnagcgcc ccgncctgct acccgcggtg gtggcncccg atggcccggc 540
 naggggcnag gagcgaggaa 560

<210> 1756
 <211> 289
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (282)
 <223> n equals a,t,g, or c

<400> 1756
 ggcaacagag cgagactcca tctcaagaaa agaaaaaaaa attgtaattc ttataccctt 60
 gctctgcttc tttatcattg tgtaatttta aaaacaactg rcatatatta tacaggtagt 120
 tgtttattgt ctattttctac cactaaaatg gaagctccaa ctgctattag attaatttcc 180
 ctcccaggtc caattttgat tatgttactc tgaccaagct gatcttttct cttcaatcta 240
 gaccttttaa ctaccttcaa aaatacaata aatatgatta tnctagact 289

<210> 1757
 <211> 490
 <212> DNA
 <213> Homo sapiens

<400> 1757

1101

```

gggagcactt ggagcggatg ctggggcagg ctggggagcg ccgggctgat gtgtacgtgg 60
gcggtggatgt gtttgctcga gggaacgtgg tcggaggccg attcgacaca gacaagtcgt 120
tggagctgat ccgaaagcat ggcttctccg tggctttgtt tgcccccggc tgggtgtatg 180
agtgtctgga gaagaaggat ttcttccaga accaggacaa gttctggggc cgactggagc 240
gttatctgcc cacacatagc atctgctcct tgcctttcgt cacgtccttc tgcctgggca 300
tgggtgcacg gaggttctgc tatggccagg aagaggcggg agggccctgg taccacctga 360
gcgcccagga gatccagccc ttgtttggag aacacaggct gggargggat ggccggggct 420
gggtgaggac gcaactgctgc ctggaggatg cctggcacgg aggcagctcc ctgctcgtcc 480
ggggtgtgac 490

```

<210> 1758

<211> 855

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (322)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (357)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (449)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (837)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (849)

<223> n equals a,t,g, or c

<400> 1758

```

agaattgaag gagagatgtt gtatcactgt tagaaggctg ctttgggaca ttctgcagca 60
gggaggaggg actgtcaacc cctacaccat gaccaccaag ttsctcacct tsgctgagtc 120
cctaaaactc tctgaacctc aggttctctc aagcataatg cagacttcac agagctgttg 180
taaagattag gtgaggtcaa ttgatactgc ttaaaaggcc cggtccttag aagatgccca 240
ataaacatta ctgctttccc cstcaccmta ctgcctgaaa atattacacc tgtgagactg 300
acttkgagaa ccagtgtggg tnsaggagttg tgcataataa ctatttartg agtaccnaac 360
acaaaagtca agcttgtaaa atatcaggcc ttgccccaga aagacaaata ccacatgata 420
tcaactgatat gtwgartctt aaaaagtcna actcagagca gagagtagaa tgatggttat 480
caagggtctg gggaggagg gactggggag atgttgggtc aatgatacaa aggttttagtt 540
aggtggaata agttcagaaa atcaattgta caatgtatca attatagtta atagcaatat 600

```

1102

```

aacatatact tgaaaattgc tgagagtagt gtgagtgttc taccacaaaa aaatatgtgc 660
agtaatagat gtttaattacc ttaatttagt catttcacaa tatgtacata tataaaaaata 720
tggtgtatgc catgagtata tataattatt atttgtgaat ttaaaaaata aaaataattt 780
ccaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaanaaa 840
aaaaaaaaana aaaaaa

```

<210> 1759

<211> 693

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (16)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (77)

<223> n equals a,t,g, or c

<400> 1759

```

tgacactata ttaggnacgc ctgccggtac cggctccgaa ttccccgggc gaccacgcgc 60
tccgggatct tctgcanttt acctctcgt atctcatttt ccttagattt tatatggttt 120
taatttataaa gatctaaaag tacactgtaa atgcacagta tatggaggtt atagtataat 180
agttacaggt cagcaacaaa tgtttgttct attttccttt ctccctgcag cctctcttgt 240
ctttccaggc aggtgagtag ttcatctgt gatcatttat gctctgtacc acctctcat 300
ggcagtatgt tacagcagct tttctaccag agcataagga gtcttgcat tttgtggtaa 360
aagtcctttc tggagaagca gtacaggaag gttctgggt tgctataacc aggatttttc 420
aacaacaaca ctattggtat ttggggctag ggtaattctt tgttgktggg gtggccagtt 480
tattgtagga tgtttcacag catccatacc tttatcatat tcgctycaag gtaagacaac 540
caaaaatgtc cccagacact gscaaatatc cctggagggg caaagtttta tttgagcact 600
atttgctaaa atawtghtgt ggatgctatt tacataactg kgkgttcagt tatgaaaatg 660
cagagttgta catatatgat atatgtagtt ttc

```

<210> 1760

<211> 2726

<212> DNA

<213> Homo sapiens

<400> 1760

```

gaggcgctag aggcgggggc gccgggaggc gcgggcttgc tccctggggc tcggccttgg 60
ccggctggac ctgaccctag ggcggttgc gcagctgtcg ggacgtgact gcgttcagcc 120
gcgtcgggag tgcttccag acttgcccaa gtccgggtgc cctagctgcc cctttgcagc 180
cgctggccta cccggccgc gggtgagaag gttgcgacgg gaggtgggtg gaactcgcca 240
gcgccgggac cgcggattgg ctgcctcggc tttctctttt ccccggtggc tccggcgtga 300
ggcgctgaag cggccggcag ccggcgaccg gccctcaccg tccgcgggt tgcgctctgc 360
ttttgcggtg aggcgttgac cacgccata tgaattggag ctctccgcca gtaggagttt 420
ccggaaggag tttgaatttt tgtgattttt atgcttgktt ggtcggtgga atatgttggg 480
atttatgttt gcctctgaac aagtgtcttg ctacatcgt aaatgacttt ctctccgaaa 540
cgctaaatat tctttccgc aggagctcat atccttattt tccatgacag atcttaacga 600

```

1103

```

caatatatgc aaaagatata taaagatgat aactaatata gttataactga gcctgatcat 660
ttgcatttcg ttagctttct ggattatatac aatgactgca agcacctatt atggtaactt 720
acgacctatt tctccgtggc gttggctggt ttctgttggt gttcctgttc tgatcgcttc 780
taatggcctt aaaaagaaaa gtctagatca cagtggggct ctaggagggc tagtcgttgg 840
atztatccta accattgcaa atttcagctt ttttacctct ttgctgatgt ttttcttgtc 900
ttcttcgaaa ctactaaat ggaagggaga agtgaagaag cgtctagatt cagaatataa 960
ggaaggtggg caaaggaatt ggggttcaggt gttctgtaat ggagctgtac ccacagaact 1020
ggccctgctg tacatgatag aaaatggccc cggggaaatc cagtcgattt ttccaagcag 1080
tactccgctt cctggatgtg tttgtctctc ttggctgcac tggcctgttc tgctggagac 1140
acatgggctt cagaagttgg ccagttctg agtaaaagt ctccaagact gataacaacc 1200
tgggagaaaag ttccagttgg taccaatgga ggagttacag tgggtgggct tgtctccagt 1260
ctccttggtg gtacctttgt gggcattgca tacttcctca cacagctgat ttttgtgaat 1320
gatttagaca tttctgcccc gcagtgcca attattgcat ttggtggtt arctggatta 1380
ctargatcaa ttgtggactc atacttaggg gctacaatgc agtatactgg gttggatgaa 1440
agcactggca tgggtgggcaa cagcccaaca aataakgcaa ggcacatagc agggaaacc 1500
attcttgata acaacgcagt gaatctgttt tcttctgttc ttattgccct cttgtcccca 1560
actgctgctt ggggtttttg gcccaggggg tgaactttat ttcatttcca caggttgaaa 1620
ctggtgagtc cagctaaatt tgcaattcca actttcatcc taagaataat aactgtaatg 1680
gcaaagcgga aatgccagtt cctcctgtat tccattgaga tgggatttca cattttcttc 1740
tcatcaactc ccctgtaata gctagcgtct ttctagyaa agagaagaat tcctagaact 1800
tatgcatttt tttcctgctg aatggaagtc ttgagcaatg aagctatatt gtcctacat 1860
attactatat attgaactga aagttcttac ataatcaatg tcaagttttg tottattttg 1920
ttttgtttgt ttaaaccagt gtaggaaata aaagtgatga tatttaaaat agttctcagt 1980
tgaagcagag aaatgccact gtgctagtgt ccaaagtgt gtatctattt taaatagttt 2040
aagctgatgt gtatgggagc ctaaacaagt gtagtatcct gaacttctcc cattaattgc 2100
tattcacaat tgggaaaagt gtggagattg gttcctagt agttttgtgg cctactccac 2160
at ttgttctt ccttcctcag ggtagtgat gaaaaaaagt aaatatcttt ttcatatgtc 2220
cattagaatg tatgaaaaaa atcattttta ctaaaagcaa aagaatttta tcttatatct 2280
aaaaaatata taacttacta tatgtttcag ttgctctctg aacaaaaatt atcttcaatt 2340
taatatgtgg aatgtgtttt ctagctttct ttgaattatg tatggcaacc tgggttagca 2400
ctggcatcct gaacagttaa gactactgg gaaattattg tatttcttta taaatttact 2460
gtcatatcaa ttgctggaaa atgctatgat ttttctatta ttaccttcta agttgtattc 2520
tctcttacac tgtagcctca actaaggcaa ttctgctatg tttgttcttc actatgattt 2580
actgtgtgcc aaaggagttt tgacagggt cagagtattt tactaaaagt atttttaaat 2640
gtttctcatg tgatttctgt accttcttc tcctgcccct tttgcttttt taaagaaact 2700
ggggaaggat ttatgaatac accacc 2726

```

<210> 1761

<211> 1033

<212> DNA

<213> Homo sapiens

<400> 1761

```

aaaagagttt atatacttct aaaagctcct aacttatatc caaagaattg ctttctgatt 60
cgtgtagtct ctcccacaga ttcataaact tttatgactt atattgtttc caggtgggca 120
tgggtttattt ccaggtttta cagttcagaa taggggcatt tattttatca tattttaggg 180
tgggttagga gtatcctttc tggagactga gaaaggggtg tatttaattc catcaggtcc 240
agtacagtac taggagtcac aatactttat aatcaattaa ataaatagaa ccactgagac 300
aataatgtat ttttttaaag tggcaaatgt ggttttcttt tttcagcctt tgcgcttttt 360
cagtattttg accataggga gataattttt ttataatata aaagtaacca cttggaattt 420
taaagataat gttatgtgtg tatgtgaaat atatatacat atatatatat atttcctaaa 480

```

1104

```

agaagaaaag atacctttct gttcaacttg tatcaactcc tcttttctaa ttgctgtgaa 540
atggcaactg ttgataaatt attgtgattg ttttaaaatc taatgggaag taaaatatat 600
tttgatttta cccagcttaa tctgtaaaag agcacttaaa tatactctgat agcaacactt 660
aagatattgc atggggatta ctttcctatc atccatattg atttgtgcaa cttcaaacat 720
attgggtgct tctgaattcc tgatgattgg atttaagcta ttgaaaattg gataatttaa 780
acttaatgat ttttataatt ttctgatctt aaaattttgg taatgcctat aatctgttgc 840
tttttctcaa tatgtgtcct attggaaatt cctcaaactg ttggtgccat cagtgtattt 900
caaacaatat tttgatattg cagatgactt gcttactgta tttgcattgt tagaaaaacag 960
ttttagagaca atgattcttt ttttaataaaa tcaaataatt ctaaaaaaaa aaaaaaaaaa 1020
aaaaaaaaaa aaa                                     1033

```

<210> 1762

<211> 621

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (52)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (108)

<223> n equals a,t,g, or c

<400> 1762

```

cctctcggcc gtagggttagg nagattcggg tgggaatgca tgaagctcca cngaagtatc 60
ggtagtgtagg gtattctgcc caagccctgt tcgcatacca aaccaggngt taaataacat 120
caggctctgg gggaatagaa agcmggcttt agacaatctg tccatttcta cagtataaat 180
ggagtgagtg tgtatatcta cttaaaactt aatagaagtg acttctactt tttgggctat 240
tccagaagta ttttaaaatt attattttaa attttgaagc cccatttcaa atcttgccga 300
ccttagttca aagccccctg agagatcact tttagaattg aggatttggt aaaaatggcaa 360
gtcatttcat ttgtgttaaa aagaaaatac ccaaaaggaa ggagggagcc ctgtttgcct 420
tgagataaac ggccttggca ttttctggca ttaatgtaga aataatgttc ctatgatgac 480
atattttcaa agaaacactt tcttatttac tgtgtggtgt aaaatgttgc taaatgtgtt 540
gttacattat gtcactgctg aaagtaattt gcactataat aaaggaattt tctacaaaaa 600
aaaaaaaaaa aaaaaaaaaa a                                     621

```

<210> 1763

<211> 736

<212> DNA

<213> Homo sapiens

<400> 1763

```

gactttctgt gtttacttgt atgaggaaaa acagyacata raggcattcca cagtatttaa 60

```

1105

```

tttgtttgga taacagttac agataaacag gtacacccca tatacaatta cyaatacttt 120
ttatacagtt catatttcag tacatcaaca ctattttatt tacactctat ttatryacat 180
taacatcttt ytaaatggg attattgtcc atatgcttta tttttttat tccagtgtt 240
tcccttttag gaatttatct gaggggagaa tactctgtaa ttactccata atttgcaggc 300
aaatatcatc atagcatttt ttaggagagt aaaaagttat taacaactta ttttgtctc 360
acattagagg aatgggtaaa taaagcatgg tgtattcatt ggataaacta taatgcagtt 420
gttgaaaatg attaccagga gtttttgcta acatttatgg gaacatgctt atgatatgtg 480
aacatttttt taaaaacaag acataaagtt gcatatactg gaaataatac cttcaatatt 540
gaaaaaaata ctatttagga aaraggacag aagaaaatct gccaatattt tgacagtggg 600
tgcctttgta ttaagaatat aattaagaat ataaaaggat tccctgcctt ttaacatttt 660
tctctgcttt ccaacatgaa tattatacct agtaatcaga aaaaaaacag aggcaatcac 720
tcttatcctt tacatt 736

```

<210> 1764

<211> 1371

<212> DNA

<213> Homo sapiens

<400> 1764

```

cagttaaata actcctggtg acacttcagg tggtagaatt gaaacacaaa cctgacttct 60
gaccacatgg gtcaaaggca aaaggcaaat ggcttcaaag cccttagtgt gcttatccag 120
ttcaggcagt gaggagataa cctctgcttt cctccctgag gagtttggag tatttaaggg 180
gggatggggg ggggtgtcact ttgaaaatat gttgcttttt ctcctgattg tattgaggct 240
gatatggaag ggttattttt ttctggccaa tacttttttg tttttctaaa tattgcaatc 300
ttgattttta ctattaaatt tgtaattgt cagttctggc ttttttgcac aaagagttgg 360
tccattaact tgccaatttg aagcttctaa ctagatattc cctactgaaa gttttggatt 420
tgtttttagt ttgtggagca gtcttagctg gggacaggta attgacaacg gcagagatac 480
tttcttttcc taggattcta agtctgtaac ccacatcctc aatgtattca caggacttta 540
aaattctctc caaatgagga aggaaatatt ctggtgcttt ctaatgttta ctaaaagttg 600
tgtttagaac aacagatttt aataggcatc ttcctttggt atgtgtcatt agccctttgc 660
ccgtttacct tagggctctt tgaaggagaa atggatggga gaaaacctgt cacttggcga 720
aagtaaaagg gataattaac tggctcagag cttatgtgca gagttccaag ccccaaagtt 780
aatctagaac cactcgataa caccaataaa aatattttatt tcacatctgt tatatatctg 840
gaaaatgttc taagcatctt acacatattt ctcattaaat ccacagggtga ccattgtgag 900
gtagatattt tgttctaatt ttccagatga ggaagctgag accctaaaag gctgaccggg 960
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caaggcctcc aggcagtatc caatggggaa tcagctctaa aaggaaccag accaacgttt 1080
tccagcccct tcattctgta gcttccctct gtgtgaggaa aggatagaaa tgttcaggac 1140
atcatcatatc aggtcctca tctacaaagt tccagtagca gtgacgccta cacggaagac 1200
ttggaactgc aaacaggctg gggtcacctc agtgacatct gacgtgtcc aaccagaagt 1260
tcgatttttg ttctgggggt gaaggaggaa acagactgta ctaaaggact aaaataattt 1320
gtctatamwa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaattccc c 1371

```

<210> 1765

<211> 766

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (510)

1106

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (716)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (733)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (738).

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (757)

<223> n equals a,t,g, or c

<400> 1765

```

tacgcttctg ggcataatac tgaaacacaa aactgctttt gctctctctg tggttggccg 60
aaaataggat tctttttcgt gcaggtgtcg ttgttttagtc ggctttacta acatattgaa 120
atggctctac ccaaagacgc catccctcgc ctgtccgagt gccagtgcgg gatctgcatg 180
gaaatcctcg tggagcccggt caccctcccg tgtaaccaca cgctgtgtaa accgtgcttc 240
cagtcgaccg tcgaaaaggc gagtttatgc tgtcccttct gtcgycgccg ggtatcgtcg 300
tggactcggg accatacccg aagaaattct ctgctcaacg tggaaactgtg gacgataatt 360
caaaaacact atcccaggga gtgcaagctt agagcgtctg gccaagaatc agaggaagtg 420
gctgatgact atcagccagt tcgtctgtct agtaaacctg gggaactgag aagagaatat 480
gaagaggaaa taagcaaggt ggcggcagan cgacgggcca gcgaggaaga agaaaacaaa 540
gccagtgaag aatacatata gaggttggtg gcagaggagg aagaagagga aaaaagacag 600
gcagaaaaaa ggcgaagagc gatggaagaa caactgaaaa gtgatgagga actggcaaga 660
aagctaagca ttgatattaa caatttctgt gaggggaagta tctcggcttc tccctntgaa 720
ttccagaaaa atntggtncc agttacacc aagtctngaa aaagga 766

```

<210> 1766

<211> 736

<212> DNA

<213> Homo sapiens

<400> 1766

```

ggcagaggtg gagggcacgg aaggggtttt mccattcatg ttgtataagt gaaccagacc 60
accctgatgg catccacagt gatgtcaagg ttggggctgg ccaggggtgg gtggactaga 120
agcatttggg agtagtggcc agggscctgg acgctagcca cggagctgct gcacagagcc 180
tgggtgtccac aagcttccag gttgggggtg gagcctggga tgagccccgg cagcgccttg 240
gcccttctgt ggtccctgcc agcctctgac ctgggcccgt cagtcattgc tggactctgg 300
ccacacactg gcgttctcat ccacttgga acaagccagt cttttctgca aggtcagttg 360
accaagagca tatttccct ctgttgtaga tcgttggtt gtgtttgtgt tgtaacagtg 420
gggtggagga ggggtgggtc tacatttgtt gcatgagtcg atgggtcaga actttagtat 480

```

1107

```

acgcatgcgt cctctgagtg acagggcatt ttgtcgaaaa taagcacctt ggtaactaaa 540
cccctctaag agctataaaag gctttagttc tgtattgatt aagttactgt aaaagcttgg 600
gtttattttt gtaggactta atggctaaga attagaacat agcaaggggg ctcctctgtt 660
ggagtaatgt aaattgtaat tataaataaa catgcaaacc tttaaaaaaa aaaaaaaaaa 720
aaaaaaaaaa aaaaaa                                     736

```

<210> 1767

<211> 521

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<400> 1767

```

naacnggnaa gctgttcccc tgcaggtacc ggtccggaat tcccgggtcg acccacgcgt 60
ccgagcctac tctgggtaag atgttctttt cctcaaaggt gccctagtgc catgatttaa 120
atatttttat taccattttg aaatggagaa gccattctgc atatgccttt gaattcctgc 180
ccctctttac cacctcttcc tccccctcaa aggaaaaaca tttcatccaa gtaagttaac 240
ggcattttct gtaggatttt cttatgcact gcacactctg gacctcacct gcagatacag 300
ttcccccttt gccaggagca tctgcatgtg gtactttctt tttccctcag ttgatatttc 360
ttatatgata ttctagatac tatagaactc aatttgtcag attcagtata acctcagatt 420
ttgttacctg tcttttataaa atgcagattt tgtcaaatca aataaagatc aatggatgtt 480
gggtataaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a                                     521

```

<210> 1768

<211> 453

<212> DNA

<213> Homo sapiens

<400> 1768

```

aaaagaaaaa aatgacatta aattttgtca agatagcata ttgaaaatat aatagaaaaa 60
tatttgttta tctgctataa tatattatgt cataggtgtt atcttcagga aggcacactg 120
gacctgctaa attaacaaat ggaaagaaag cgtaagtact tgaagacgtt tacaacttca 180
gatttcaagg aatttttcag gtctttgggc tggatgacat gtcgtctacc ccagaaaatt 240
aggtaggcct ctaccatcac aagctctgag gaacaatttt tcatgtctac ccatgttaat 300
cattttagta tttaacagtc tttctgatct tcagaatgtg tttataaatt catcttgtac 360
atgggtggac aagctttctt gtctttgctg graagraaat gactacttac taatatattt 420
tgggrraaat attkgtaaga atattaataa gct                                     453

```

1108

<210> 1769
 <211> 636
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (516)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (540)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (553)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (571)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (623)
 <223> n equals a,t,g, or c

<400> 1769
 ccctataggg aaagctggta cgctgcagg taccgggccg gaattcccgg gtcgacccac 60
 gcgtccgggc gactggcagg acgcgggtgca gagagcggac ttccgcgacg cggaacgtcc 120
 tacagtgtag gggaagcaat ggaagaactt ctacctgatg gacaaatatg ggctaatatg 180
 gatccagaag aacgaatggt ggcagctgct acagctttta cccacatctg tgcagggcag 240
 ggtgaaggag atgtcaggag agaagcccaa tctatccaat atgatcccta cagtaaagct 300
 tcaktagccc caggggaagcg acctgctctt cctgtgcaac tacagtacct acatgtagaa 360
 agtaatgtcc cttcagaaac agtctctgag gcctcccaaa gactccgaaa gccagtgatg 420
 aagagaaagg tgctgcgcag aaagccagat ggggaagtat tagtaacaga tgagtcgatt 480
 atcaagtgaa tcagaattgg tacagaaaat gatcangatc tcttgggact taagacaaan 540
 gctggatgaa tgncaagttcc aggaagacaa ngaatcttca tttgatgggt cacaaaaaat 600
 taacctacca catgaatacc cangaatttc tcaaga 636

<210> 1770
 <211> 643
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature

1109

<222> (632)

<223> n equals a,t,g, or c

<400> 1770

```

tcctcactaa gggaacaaag ctggtgctcc accgcggtgg cggccgctct agaactagtg 60
gatcccccgg gctgcaggaa ttcggcacga gcacgagtgt gcacatgtgc gcgcacacac 120
acacacacac acacacacac agaacttaac agcagtgatg tgtgttgtaa tatgcaactt 180
tgtaagttac atatcactcc ccaataccac cttctcagtc acggagtaga gatcttactt 240
cacaagaagt gagactcaga gaggtgaagt gacctgtgca aggtcaccta ttacagtgcc 300
agagttggaa cttaaaggaa ttcagtcctgt gaacttcagt gtctttccag tagcatattt 360
gcagcagaag agtcaagaat gttgtgagct gcaactctca ctagaaccaa atgaccttat 420
tgaggagatgt tagtccagcc ttaaaaaaaa gctcttcacc tccatgaatg gcaagtgtct 480
gccctcttca ggccaaatcg agaatgacat ctataactga ggcaaactct tcagraacct 540
aagtcagacc ttgggattat ttgctttttc agtaagttct kggccccggg ctgtgtcttc 600
ttaactcttg ctggtggggg acccttcagg gnaagcttac cca 643

```

<210> 1771

<211> 734

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (721)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (730)

<223> n equals a,t,g, or c

<400> 1771

```

catatttaaa aaaatatgtt ttctgtgtgt tgccaaagaa tagaaatgca attgattttt 60
taatattaaa cttatatcta gccatgggat tgaattcttc taatttctaa taatttgtct 120
gtcaatcatt ttattctttc taggtaaata tgatactata ataaattttg cttctttctg 180
tttctttcct ttctctatta tttacttttc ttgcattact aggctacttt ggacctttaa 240
taaaatgtga aaaagcacat ttatctttat attgatttta aacagaacac tctaaatacc 300
ttattatcgg taagactaat grctgctgaa gaattttact gggttgagaa aactgttatt 360
tatatttgtt taaatgtttt cattataaat ggggtgttcaa ttatatcaat tttattttct 420
gcattctaag ggatgatcat aagacatttt tctcttttaa tctcttagta tgataattta 480
cattttttgga ttttccagaa acatcttttg attcctagaa taagccagat ttatcacaag 540
tggtattatct ttatcagata tatggctgct cttgagttac taatctttta cacttttgtg 600
tgtaaggaat gtttttaatc taggtgaaat tttgaatcta tgctcatgag taagaatatc 660
ctttctcata ctatccttat ctggccttag tactgagctt tagattatct tggagggttc 720
natttccctn cctt 734

```

<210> 1772

<211> 396

<212> DNA

<213> Homo sapiens

1110

<400> 1772

```

gcggaacgcgt gggaaaaaaa agaattactt gagatgcttg ttgaatatgc atattcctaa 60
gcccagccct aaatctactg aatcagaatt ctatttttaa tgtacactcc agatgggttct 120
gatacttgaa caacgctata tttagcattg gttaagtaca gatattttgt ttttagccta 180
ttgcagaatt agctcaataa ttcataaaat gggtaattat tcataccaat gctaaactca 240
gtatttatta catcaaaatt tttaatgtat tggctaattt tggtaaagct aagaccacca 300
gtgtgaataa ggatggattt ttgggtattt gccactgara ttttttagca tagatcccca 360
gaattatttt taggaaaagg atatgctgtg ctttagc 396

```

<210> 1773

<211> 786

<212> DNA

<213> Homo sapiens

<400> 1773

```

gagcttttagc tcgcctgccg ctcaccttgt gctgtgcagc ccggttccta acagaccaca 60
gacccacac caggtctatc tcatttggtc tcagagctgt gaatcagcca gcaatatttt 120
agttgcaaact cactgaaaac ccaactcaaa gtgacttaag tcagaaagaa attttatgaa 180
ttcaggtaat taaaaagtc agaagtatct gccttttaggc acagctggat ccaagggcac 240
aaatgatgtc atcaggctcc agttattctc catctcccag ctcagctttt tctgtctgta 300
agcctgattt tcaggaaggc tctttcctag tgatggagat gaccaccatc agctccaggc 360
ttctatcctg ctaaccagc aaccagctgg gaagagattt acttattcca ataattccaa 420
gtggagagtg tcattgacct gtttgggggc tcactctctac ttctagggga atgaaacact 480
ctgagtggcc aggctgtgt catgtgctaa ttcctagagc cagggaaata aggtctgagg 540
attcaggatg gggtgaaagg tggttgctta aaggaaaatg aaatacaatt agcagaataa 600
ggggaaacga gtggtctgct ctgctcgggc aaaacaagag atgcccatta ctgtgaggga 660
cccttgaagt ctggactctt aaatgggttt ttgctgattt cctgggtgca tgctaggatg 720
atggggcttg atgcagtagg gaagagacga tgtaaaaata ataaacaata tataccttca 780
aaaaaa 786

```

<210> 1774

<211> 676

<212> DNA

<213> Homo sapiens

<400> 1774

```

ggcacgagac tgaatatga aataatgtaa aagacctatt tcccgcctagc tttaaccgat 60
ttgtcataaa cacctttctt gtatatgatt tttaaatgtt tgctaaatat taaaaagaat 120
tcaatgtgtt tgggttttgta aaattacata tcgaatgtgt ataatttttt actaccatgt 180
tcatcacact taatctatat ccatatattg tactccacca atattttatca gtggacaata 240
aagaagtttt gaatgcatga atgcaactta agaggcacca cacttggtta ttttgcaatg 300
ccagaataac ggtgggtatt cacaaattga atagataatc cagattatgw ttctcccaa 360
tttaagtttt tctgggtttt tttttccccc ttcctagaat caattttatc attttaccta 420
tgtacaataa tatacttcct ggaaaatgcc tagaattttc accatgtaac agaatttgag 480
catgacagta wtgtaaaaat attcagaagt ctggaactat aggtttgagt tttcaaagta 540
aatcaaaatm cagctgtttt cattttacta gattgtggaa acctatggat gttattgtaa 600
aatgcatatg cattacactg actttcttaa aatgttttga attaataaag aattcaacaa 660
tgtaaaaaaa aaaaaa 676

```

<210> 1775

<211> 423

1111

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (359)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

<400> 1775

```
ttactatcta agtatgcaat tcttagggaa aagtgcctgg aatcttgcaa ttccaagata 60
tccattgtaa ttactctgga tttaaataga actggtctcg tagcacaaga attcctgata 120
gcaagatact ttccataaga taccttcaac ccggttaatt tttttctgt atctgataag 180
gtaaagttta gttcaagagt acagaacaca tttatttact tttttgtctt tctgaaagta 240
caaaggacca cccttatcaa tctgtctttc ccagctactt ggaactctac gtgacttttc 300
tctttgtgtt ttatagaaat acgtttgttt ttatgatnca tttttgaaat tgtgatttng 360
tagggtatgc agaggagnaa attcgggaaa atttttaagg tattctgaag aagacacttt 420
aac 423
```

<210> 1776

<211> 671

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (52)

<223> n equals a,t,g, or c

<400> 1776

```
acgttggtga aaactgcttt cccctttgaa tgggtcttggc ccccttgtgg anagtcactg 60
cagcataaga gttagecttc atctctgggc tctctctcc tgtgactccc gtaatgtttt 120
actcatccac ttcattggtgg accacctctt ggctctgtcc actctgccac tttttctctc 180
tgctcctcac aggatcattt ccattgtaag tgtctccagc ttgctgattc tttattctgc 240
ctgctcagat ctgccggtga accctctagt gaatttgtaa gtgtcagtta ttattttcag 300
ctcttctagt yccatttgat caccctcata attcctatct kttgataycc tcattgtgtt 360
cctctgtgat tttcctgact tctgtagtt ctgtgtccat ggcttccttc agttcttcga 420
gcacatttaa gacagtcggg ttaaagcctt tgtttactaa gtccaatgtc taggcttccct 480
tgggcatggt tttgtcagtt aaatatcttc ctttgaatga gtcataacct cctgttttat 540
ttgctttaga ttttaggtca ctaaatcttc ctttgtgtct aaactgctgt taaacctatc 600
cattcagttt ttaatttggg ttattgtgtt tttcagttga attttttttt aaccttatct 660
cctgtatctt t 671
```

1112

<210> 1777

<211> 1779

<212> DNA

<213> Homo sapiens

<400> 1777

```
gctcgtgccg ctcgtgccgc tcgtgccgtt cattcagaag gtggagataa gtaataccta 60
ctcctaaatt tttatcctga tagtgagaaa atatataagc attttggaac tacagaacac 120
catacaaaat tagcattatt agtactgcat tatcttgatg tcttacaatg ttttgtgtat 180
atgtatactg attttctact tagaatgtaa ctgttggttt gtcaagtgtt tttttccccc 240
cagcctttcc taggctagga tatatgctaa caagtactat taggagctgg cttgtgatca 300
taatgccaac tatagataag gcaagtagta gcctagtagt taactgaagt ttcaagttag 360
tcatgtatag tcagttttta ttatcatgtg aataaaaataa aattgttttc cttttctttt 420
cattcaggaa aagttctagg aactattttg gtgcacaacc acattataga ttatscttgg 480
gwgatatgcc atttgtagct gggaaggtra gttggtcaaa ctccggattc tttttatata 540
acattgatcc ctgaattaag tccctgcatc tscaagtagt tctacaaatg gaaggaacat 600
tttyctgtgc ctttaccagt gtgtggatca tgcctttacc agtgtgtgga tcacagtga 660
tgtgaaaatg agatgtaggg aggttttttg ggattaggga agcaaggaag agatggggag 720
gataccttaa agtagataaa gtatatgtgg aaaggaagtg ataaaacaga gaccctaagt 780
tgaagaaggt gttgtttcag ataggggtca aggaaataag aaatagtatg tttgtagcat 840
tggattttta gtatcmatcc tgttgagtta catttagata taggtagata ttcgaataag 900
cacgtagcac attctgcttg tcctcacatc cagatcattt ctaggactaa ttctccaaga 960
agcagtcata cgtacacttg aatcttcagt ttcttcagca cttgaatgta aagctgtatt 1020
gtcatatata aagtactgag tgaagtrcct aaaactgtgc tagttgacac tactttataa 1080
gctgtttgtg ttgctgggtg ttttatattt agattccaac tagattgtta ttctggcatc 1140
ttgggaagta aatgttcttc tgaattttgt atttgtttat atttatttat tttaaacccc 1200
tagtaaatte gcagtgaat catggggaat ataataaatt agtggtgaca agcatttgaa 1260
aaagggtacag ttgacccttg aacaacatga gtccgaactc tgtgtgggtc tmcttacagg 1320
cagatttttt ttttcaataa gtatcttgga aaattttttg gagatttttg gcaatttgaa 1380
aaaacttgca aactatagct tagaaatata agaagttaag aaaaagttgg tatgtcatag 1440
atgcataaaa ttgactatgt caatactagt gcattttatc atttaytacc ataaaatata 1500
cacaagtttt ttttaattat aatttatcaa aacaatttgc acacagacta cgtgacgcca 1560
ttcacagtcc agagaaatgt aaacagataa agatgcagta tgaaatcata actgtataaa 1620
attaactgta gtacatactg tacgactgat aattttgtag ccaccttctg ttgccattgt 1680
gatgagctca agggttggga gtattcactt aaaatgccac gtgacgctaa tcatcttcaa 1740
atgagcagtt catctctcca gtcaattgtg tatcacagt 1779
```

<210> 1778

<211> 559

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (526)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (542)

1113

<223> n equals a,t,g, or c

<400> 1778

```

aaagaagaca cattcacaac cagtggtaga gaaactgtgg tttatatgcc cctcttagaa 60
taactcttca ggctctgttt atagccctgg gttcatgcat gataaagtag acagcaacac 120
caccatacag tgcagaggag tggcaagaga ktaaacggaa aaggagatga aaatagacca 180
aktggagaaa ggcttgggtcm aaaaaggarg aaaaggaaga tcactatgga atawtaraga 240
kttgaaaaat gaagtgcacac ccaataacag gacgggacaa tcagagatga cttgggttgta 300
gtgtggaaac cagtagggac cttgggaagc tgccaaaccc tttctagctc tgggctcagc 360
tgtaagaact gctgattcct acaggaacac ttggacaatc caatacctaa atgttaacca 420
tcaattaacc cagtaaacct gcaagatgga aacgaagatt tgttctcacg agtttcacgt 480
gattatttaa aacactttctg ggggccagta gccaaactggg gtcttnccca ttgctgccat 540
cnatggtatg aaaagtctc                                     559

```

<210> 1779

<211> 786

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (749)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (758)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (770)

<223> n equals a,t,g, or c

<400> 1779

```

gcaagtcctc cattyttcca ccattgattt ttccctgccac agatattgac cgcattctcc 60
gtgctggctt tactttgcag gaagctcttg gagctttgca tcgagttggt gggaatgcag 120
accttgcact tcttgttttg ctgcacaaaa acatcgtagt tcctacatga ctgtgggaaa 180
gtgggctaga ccgttctcca ttccctttta acaaaagaaa gctctctcta tatacacgca 240
cacatacaca ctcgccacat atacagtata tatagaaacc tgcaagcaga atgttgagcc 300
agattttttt taaagatttt ttctggccaa agtaatttat gatcttttgt ctgatgaatt 360
tgtctatcct acttgttaaa atttaggcct ttttaaattg attggcagta tgtgcataca 420
gaagcttttt attctcatta agatgtatcc tgggaataaaa tggatgggtt tgtgtgtarc 480
atactgtttt agaattgagag taaatgcttt gaaaagcaga agccatgaga aatcccmcta 540
cccatccagc taaaaacaga tgaactctcc acactgtgac tgtgtgtctg tgcctgatggc 600
aaggatgggt ttgctggctc arttgtcaat ttagaaactt ttgaccacat aatttggtgt 660
ttggaattct acccagtgct ctgtgtatca tgatkcatta attataacag gaaattggag 720
aataattgaa tatcttatcc gtagaatgnt atgttttnat ttgtgtgctn aagatttgac 780
ttttaa                                     786

```

<210> 1780

1114

<211> 688
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (634)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (652)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (657)
 <223> n equals a,t,g, or c

<400> 1780
 caacatggtg aaatcccgtc tctactaaaa atacaaaaaa ttagccgggc atggtggcgg 60
 gtgcctgttaa tccagctac ttgggaggct gaggcaggag aatcatttga acccaggagg 120
 cagaggttgc agtgagccga gatcacacca ttgcactcca gcctgggcaa caagagcaaa 180
 actccatcta aaaaaaacc acattttcat gaatatcagc catcaacaat gcagaaagta 240
 atagaçtagt cttctgaatt attaacctta gcaattgtca ccaagtgaaa acctygggtca 300
 ctaaaacttc ttggaatagc attcaaggct ttgctttaac acaaaacccc aaaacttggc 360
 ggtacaaaac aaccattttc tgatggatcg ggaatccatg tctgaagtct cagctaagaa 420
 gactccaagg ctgggttcca ggctggaact gcctggggca tctccccaca cacacactgg 480
 tacttggtcg gaccaccagc aggttctact ccccggtgtt cttcrcagtt tgtcagttgg 540
 gctgatttgg gtttgctcac agagtattca gccaaagatcc caagatcaag tatccaccgc 600
 ggcccgggcc ccaatcatct tgttttttaa acantcgttt tttgaggcag gntaggnat 660
 ttcatttcca gattttttcg tgttacc 688

<210> 1781
 <211> 548
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (501)
 <223> n equals a,t,g, or c

<400> 1781
 aagtctattg gcatcctcga catcttttga tttgaaaact ttgagggttaa tcacttttgaa 60
 cagttcaata taaactatgc aaacgagaaa cttcaggaggt acttcaacaa gcatattttt 120
 tctttagaac aactagaata tagccgggaa ggattagtggt gggaagatat tgactggata 180
 gacaatggag aatgcctgga cttgattgag aagaaacttg gctcctagcc cttatcaatg 240
 aagaaagcca ttttcctcaa gccacagaca gcaccttatt ggagaagcta cacagtcagc 300
 atgcgaataa ccacttttat gtgaagccca gagttgcagt taacaatttt ggagtgaagc 360
 actatgctgg agagggtgcaa tatgatgtcc gaggtatctt ggagaagaac agagatacat 420

1115

ttcgagatga ccttctcaat ttgctaagag aaagccgatt tgactttatc tacgatcttt 480
 ttgaacatgt ttccaagccg naacaaccag gataccttga aatgtgggag ccaacatcgg 540
 cggcctac 548

<210> 1782
 <211> 567
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (487)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (500)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (508)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (546)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (556)
 <223> n equals a,t,g, or c

<400> 1782
 aaaaaaaaaa atctatatatt tatrgaaata ataaaaaaact aaccttagct tactgtaaat 60
 tttctagttt agaaacttat ttaaaaacaa tttttggact cttctagtaa taacgtagct 120
 taaaacacac attgcatagc tgtacaaaaa tatttttcctt atatccttat tatataagct 180
 tttatctatt taaattttga attttttaaac tttttggtca aaaaccaaga caaacacact 240
 agcctaggcc tatgcagggt caggatcaag acatccctag caggtgacag gaatttttca 300
 actccattat aatctgtggg gccaccatca tatatatatt gtacattgac cgaaacatgg 360
 ttacatgact atataatttg cgtcaatact gctcagtgtg ccatatttaa atttacatga 420
 ctatatgttg atattctttt caaaataaag tttatttggg agataaaaaa aaaaaaaaaa 480
 aaagtgngcc gcagcttatn ccctaggngg ggtaattagc tggcctgcgg cggtttaacg 540
 cggctnggaa cccgnggtcc acttacc 567

<210> 1783
 <211> 537
 <212> DNA
 <213> Homo sapiens

1116

<400> 1783

```

gcacctatga catagtaaac ttgaagaata aaaactaccc tcagaaatat ttttaaaaga 60
agtagcaaata tatcttcagt ataatccatg gkratgtatg cagtaattca aattgatctc 120
tctctcaata ggttttcttaa caatctaaac ttgaaacatc aatgttaatt tttggaacta 180
ttgggatttg tgacgcttgt tgcagttttac caaaacaagt atttgaaaat ataatagtatc 240
aactgaaatg tttccattcc gttgtttag ttaacatcat gaatggactt cttaaagctga 300
ttaccccatg gtgggaacca aattggattc ctactttgtt ggactctctt tcctgatttt 360
aacaatttac catcccatc tctgccctgt gatttttttt aaaagcttat tcaatgttct 420
gcagcattgt gattgtatgc tggctacact gcttttagaa tgctctttct catgaagcaa 480
ggaaataaat ttgtttgaaa tgacattttc tctcataaaa aaaaaaaaaa aaaaaaa 537

```

<210> 1784

<211> 614

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (574)

<223> n equals a,t,g, or c

<400> 1784

```

tgggtcaatc tcaggttcca gtctcagaaa ctgcagggtg ttgtcacctt tctgtcagca 60
tggatcaagc ccctaaaatg tggtaagtgt tgtcagagca gggcaatata tctactctca 120
agtatgaggg gaatagaaac aaagcagcag ttttagccag ggttcaatga tagagtggag 180
gtaaattaag agcctccagg ctgtgattca ccatttgaga cattatacat aatttgtttt 240
tgttataagc catttgaaatt tttaaaaaat ttcatacatg caatggaata tagatatgta 300
tatacacata taatatatat gctaaagtat aaagagtaat aataatgaca ataaacaaac 360
ccctgtgtgc ctaccacca ccttattgcc tttcctttga ggtaccgtgt gcgggtttcct 420
gaacctatct ctatccctgt ctgatagagg gaaccctgt actgaacttt gtgttgacca 480
tagccttctt gtctttcatc actttatctc catgtatgta tccttaaaga ataataaatg 540
gaattaaact gaaaaaaaaa aaaaaagggc ggcngtctag aaggatccaa gctacgtacg 600
cgtgcatgcg acgt 614

```

<210> 1785

<211> 495

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (413)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1117

<222> (460)

<223> n equals a,t,g, or c

<400> 1785

```
aaaattaacc ctcactaaag ggaacaaaag ctggagctcc accgcggtgn cgaccgctct 60
agaactagtg gatcccccg gctgcaggaa ttcggcacga ggcggtgtct cctctttgaa 120
attaagaact atctttctyg tagcaaagct gcacmtgatg atgctgcctc tcctctctgt 180
gttgtctggg cccttgttta caagcacgcg ttacccttcc tgaggggagc catgctctag 240
cccctggagg gcctgttgca ggggcagggc gggcccgttg cctttggcag ctccctggaga 300
gctgtggaca tgcagtcccc ctcagttcgt gctgcaataa aggccatctt ctcttatttc 360
tgccctcctt tctctttgga ccctggagcc acaggctcag cctggcctgt cgnccccggt 420
tgtcactgaa aagccccgga taccaagaag tcaccacacn aaagtgggag aagaaataag 480
atggccttta tatcg 495
```

<210> 1786

<211> 584

<212> DNA

<213> Homo sapiens

<400> 1786

```
ctgctgagag ttggtaaaga ggatggtcga gtgagatggt gttgacctcc ctggatctta 60
tgtcactaca tcctggacct caagagggtc atccaagctt tttgaaagct gaactccttg 120
actggagaaa cctagacaag aggcggggcc aggtgcttga tatctaggag gcattcttcc 180
tcttcccttg ccaccatgga gctgggcaca gtaagccata ttgtttcctg aagcaggagt 240
cccaggcctt ggctagagag ggaacagatg tctaacaaaa agagaagcaa ttcgaggaat 300
tgatgaagca caattaaaat cctctctggc tagtagctct ctggcttctg ttcatttgaa 360
gaataaatct tggctgacag tgggaagcac caggtttgaa atcagatggc tttatttttc 420
tttttttggc atttaaatca gtgaaataaa attattactg gagagcacag ttcgatttaa 480
gagaattcct cagccctgtt ctcaagtctt cttttgaaat tccatgacat ggtggwtaat 540
gggtaaaatg attaatgcct cctttgggtc ttmtactgat caga 584
```

<210> 1787

<211> 1333

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1238)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1264)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1271)

<223> n equals a,t,g, or c

1118

<220>
<221> misc feature
<222> (1298)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1313)
<223> n equals a,t,g, or c

<400> 1787
tttttagatc tgccttcttg ggatgtattc maggatgcta gccgtgtttg agactgtaaa 60
tatgtctagt gaatagggct tcaggctgtg tgtgtttgcc ttgttttgca cagaattcgg 120
cacagcccca agcacagatg ggtgcttcat aaatattgtt gaaggatgat gacacaaagg 180
attatttaaat acctctgacc tcaggccaca aacatacttt caatgtgttt tacttctgaa 240
atcatttgaa ccaraatggt tcagcaacac agattcatct gcaaccacaa atcagacaca 300
tttagaatga caaagcccca aaagaatgcc attttcaagg ctgaaactgt attattcttg 360
gctaaatgga atccttgttt tagtgacact gtaagagtag aaattaaaga cactgaaaat 420
cttccttggg ggaaccacaa ttatctgtga acaatgaaag ttgtctgaa taattcatca 480
gcctcaaggg tacaggcctc cccttattct ggaatcccag gagtttaggc aagtgtgtca 540
tttaatgggt ctcaactgtg tcctcagttg ttattattcc agggcctggc atttatgggc 600
acattcctat aattttacta attaaaaaaaa aataagctat atgggaaacc actgtcaagg 660
tcaaaatttt gaagctgcat tgattttacc taggaagaaa gaagcttata aagtgtccat 720
catgagaatc cacctgggac ctacacaaca gatcaaatac ccagaacaaa tcaccacgtc 780
agagcccccac agaattctga ttcccaacca acaagcatga gtaatccttt taaatgggtca 840
cttacatata agaacagggtc ctttgtgaaa tttctaagca aggcctctgg tttctgactg 900
aaacagagat ttattgagaa ggaggggtaa agtgaaatca agaactgctg ggaaatttcc 960
acaagaaaca aggacaaatg gtttttggtg tcagagttaa accagcctcc cctagccatg 1020
gtttggaaag ttatttgcta gcccacaggg gacaatattc tcaactggtt tatcagggac 1080
ccttttgatc caattatagt tattgggcag atacagtccg taccctatta tcagragacc 1140
tagtttcaaw tcctgagtca accttytaaa ttcactgtgt gaccctggta caagtcactt 1200
aagctctctg attcattggg tcaacatctt taatatgnng agagtaatgc ctatccccat 1260
accncataaa nttttgcaag gttcaagtgg gttgaaangt tcaaattttt ccnaatttta 1320
agatcccgga aag 1333

<210> 1788
<211> 550
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (32)
<223> n equals a,t,g, or c

<400> 1788
taatatlaag aaattcaata taactacatt tntataccgg ttaatgttcc acagtgtgtg 60
ttaaaatgta gttataacta wttttaattc caagggtgtg ttgtctttw cttttaata 120
tttyctaata ttttgtcaga ttaactagat gaataaataa atctagtatt aaccgcatta 180
tgaattaaat aattttgatt taatgaaagg gataatatga tttccagtgt ttactgtagt 240
gtatcttgta cagataacat gtatttttaa aggaaaaaaa acggaattga agctattttt 300

1119

```

tcttgcattt ctaattgacc tgaggacat tccgtttgaa atgtactgaa gttacagttt 360
ctgggttttt ctccttattt ttcttataat gcttgaaatg tctaactatt aaaaaagaca 420
attggaaaaat gttatgcatg gggtttttaa gaaaacaaag tggtcttttt atttgactga 480
caattcattt tacactctat ataataaaat ctccacaagg catcttgtgg gcaaagtcaa 540
aaaaaaaaaa 550

```

<210> 1789
 <211> 485
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (31)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (38)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (367)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (445)
 <223> n equals a,t,g, or c

```

<400> 1789
tcgtgggctt cccagcatat ctgagaatag naatctgnca gaatattttg tggctgtgga 60
tgtaaacaac atgttgcata tgtacgccag tatgctgtac gaacgccgga tactcatcat 120
ttgcagcaaa ctcagcactc tgactgcctg catccacggg tctgcggcga tgctctaccc 180
catgtactgg cagcacgtgt acatccccgt gctgccgccg catctgmtgg actactgctg 240
tgctcccatg ccctacctca taggaatcca tttaagttaa atggagaaag tcagaaacat 300
ggccctggat gatgtcgtga tcctgaatgt ggacaccaac accctggaaa ccccttcga 360
tgacctncag agcctcccaa acgacgtgga agagagcatc gtgatccagt gagccttgcc 420
cctaagcgtg tgtgtatgat ttgcnaccga tcgaggattt atgggagttt atgggacttt 480
attta 485

```

<210> 1790
 <211> 565
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (446)
 <223> n equals a,t,g, or c

1120

<220>
 <221> misc feature
 <222> (496)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (520)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (537)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (542)
 <223> n equals a,t,g, or c

<400> 1790
 gcctacgcgt ccgcccacgc gtccggtgga acagtttctg ccagataatc ctgtttgggg 60
 gttaggaagg ctgatggcat gtgttttctg gactaacatt ttgcagccta tggaaatgta 120
 tgtgtgctat ttattcttat gaattgtgca atgactcaca agcctaagca gtgtcagtta 180
 cagctcaacc ttggtagaaa cccgtggtgt tttgyttttt tttttgatgc gggggaaaaga 240
 ctgcattttg tgacgaattt attacctaac agaaagatct attttctcag tgataggcat 300
 cacacaaggt gtctcctgtg acaaccctca gattaggaga aaaaaagcac atgtctgcta 360
 gaagacaagc tatgtgtgtg tgttgtttta aattctattc tgcaagggtg gatctgctgc 420
 tggaagtggg ggttggcttc caaganggaa tattaataat ttggaccaa tgctccttgc 480
 aaaactaggc atattnttac ttggaacaat ttatttttgn aaacattttc cccaatnttg 540
 gnttttaaaa ccagcccaac ctttt 565

<210> 1791
 <211> 914
 <212> DNA
 <213> Homo sapiens

<400> 1791
 agaagttgta catattcaga gttttccatt ggcagtgcc gtttctagcc aatagacttg 60
 tctgatcata acattgtaag cctgtagctt gccagctgc tgctggggc cccattctgc 120
 tccctcgagg ttgctgggac aagctgctgc actgtctcag ttctgcttga atacctccat 180
 cgatggggaa ctcacttcc tttgaaaaat tcttatgtca agctgaaatt ctctaattat 240
 ttctcatcac ttcccagga gcagccagaa gacaggcagt agttttaatt tcaggaacag 300
 gtgatccact ctgtaaaaca gcaggtaaat ttcactcaac cccatgtggg aattgatcta 360
 tatctctact tccagggacc atttgcctt cccaaatccc tccaggccag aactgactgg 420
 agcaggcatg gccaccagg cttcaggagt aggggaagcc tggagcccca ctccagccct 480
 gggacaactt gagaattccc cctgaggcca gttctgtcat ggatgctgtc ctgagaataa 540
 cttgctgtcc cgggtgtcac tgcttccatc tcccagccca ccagccctct gccacctca 600
 catgcctccc catggattgg ggcctcccag gccccccacc ttatgtcaac ctgcacttct 660
 tgttcaaaaa tcaggaaaag aaaagatttg aagaccccaa gtcttgtcaa taacttgctg 720

1121

```

tgtggaagca gcgggggaag acctagaacc ctttccccag cacttggttt tccaacatga 780
tatttatgag taatttattt tgatatgtac atctcttatt ttcttacatt atttatgccc 840
ccaaattata tttatgtatg taagtgaggt ttgttttgta tattaaaatg gagtttggtt 900
gtaaaaaaaa aaaa 914

```

<210> 1792

<211> 310

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (165)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (243)

<223> n equals a,t,g, or c

<400> 1792

```

ttggagctgg ggtgtaactg gaggggcggg cccttctcca agttagagtt ggggttctga 60
gcgagtcgtg cgtttttaggt ttagtgtctt ttccttgctc ctgctcgggg agcgtgaggc 120
agatcggccg gctttgctcc aggcctcagg agtgtcastc gcctnggctt gcacagtaca 180
ttggaacgtg cgggttctat tttgtattcg acgtgccgga tcgaaataga gctcgcggca 240
ctntgaagac cacagtagga agttaaggac gggggtgcag gttcgcagcc ctatcaacca 300
gctccgagcc 310

```

<210> 1793

<211> 1054

<212> DNA

<213> Homo sapiens

<400> 1793

```

aaatttttgt atagacattc ctttggttgg aagaatattt ataggcaata cagtcaaagt 60
ttcaaaatag catcacacaa aacatgttta taaatgaaca ggatgtaatg tacatagatg 120
acattaagaa aatttgtatg aaataattta gtcatcatga aatatttagt tgtcatataa 180
aaaccactg tttgagaatg atgctactct gatctaata atgtgaacrt gtagatgttt 240
tgtgtgtatt tttttaaatg aaaactcaaa ataagacaag taatttggtg ataaatattt 300
ttaaagataa ctcagcatgt ttgtaaagca ggatacattt tactaaaagg ttcattgggt 360
ccaatcacag ctcataggta gagcaaagaa aggggtggatg gattgaaaag attagcctct 420
gtctcgggtg caggttccca cctcgcaagc aattggaaac aaaacttttg gggagtttta 480
ttttgcatta ggggtgtgtt tatgttaagc aaaacatact ttagaagcaa atgaaaaagg 540
caattgaaaa tcccagctat ttcacctaga tggaaatagcc accctgagca gaactttgtg 600
atgcttcatt ctgtggaatt ttgtgcttrc tactgtatag tgcattgtgt gtaggttact 660
ctaactggtt ttgtcgacgt aaacatttaa agtggtatat tttttataaa aatgtttatt 720
tttaatgata tgagaaaaat tttgttaggc cacaaaaaca ctgcactgtg aacatttttag 780
aaaaggatg tcagactggg attaatgaca gcatgatttt caatgactgt aaattgcgat 840
aagggaatgt actgattgcc aatacacccc accctcatta catcatcagg acttgaagcc 900
aagggttaac ccagcaagct acaaagaggg tgtgtcacac tgaaactcaa tagttgagtt 960
tggtgtgtgt tgcaggaaaa tgattataac taaaagctct ctgatagtgc agagacttac 1020

```

1122

cagaagacac aaggaattgg tactgaagag ctat

1054

<210> 1794

<211> 797

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (45)

<223> n equals a,t,g, or c

<400> 1794

```

ctggaaacta gtgggtcccc cgggcctgac aggaattcgg acagnaggga aaaattttgt 60
taggccacaa aaacactgca ctgtgaacat tttagaaaag gtatgtcaga ctgggattaa 120
tgacagcatg attttcaatg actgtaaatt gcgataagga aatgtactga ttgccaatac 180
acccacacct cattacatca tcaggacttg aagccaaggg ttaaccagc aagctacaaa 240
gagggtgtgt cacttgaaa ctcaatagtt gagtttggct gttgttgag gaaaatgatt 300
ataactaaaa gctctctgat agtgcagaga cttaccagaa gacacaagga attgtactga 360
agagctatta caatccaaat attgccgttt cataaatgta ataagtaata ctaattcaca 420
gagtattgta aatggtggat gacaaaagaa aatctgctct gtggaaagaa agaactgtct 480
ctaccagggt caagagcatg aacgcatcaa tagaaagaac tcggggaaac atcccatcaa 540
caggactaca cacttgata tacattcttg agaactgtc aatgtgaaaa tcacgtttgc 600
tatttataaa cttgtcctta gattaatgtg tctggacaga ttgtgggagt aagtgattct 660
tctaagaatt agatacttgt cactgcctat acctgcagct gaactgaatg gtacttcgta 720
tggttaatagt tgttctgata aatcatgcaa ttaaartaaa gtgatgcaac atcttgtaaa 780
aaaaaaaaaa aaaaaaa 797

```

<210> 1795

<211> 364

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (203)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (204)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (218)

<223> n equals a,t,g, or c

<400> 1795

```

acctttacct tctgtagtgc cctaactctag ggtctgtgac tagaaacca ggtcaattga 60
tgaaaatcca tgggagaaga aaatgtaaaa atgctttcag acattaggtg tatgaaatca 120

```

1123

```

cacaatataa aagctatata atattttrtt agaggggattt ttttgctacc tttgctagta 180
cttgacagat tttataaaat gtnnaataaa atttggnct gagaaattgt ttccccccct 240
tttttttccc tgataaatgt ctctccaaca agcattgttg ctttaaattt agcactgtct 300
tcagcttttt attgctgatt cagtttctgt ggaaaggcct ttggaaagggt aagttctggg 360
cagg 364

```

<210> 1796

<211> 1267

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1226)

<223> n equals a,t,g, or c

<400> 1796

```

gacgcgtggg atttcaaagc tggggagatt tcatttattt ccaaaatttt tcaaaaaact 60
tttactcagt tctgctgwtat tttattaact taagagtgtt cccatcccca tatttttagct 120
ataggaaaaat tgtgctaccc ctgattcata tggaaattaaa aaaaaaatac atccctttat 180
tttgagtttt aagttgttat tttgctatac atttattact ggagtatctg gtgggtctgaa 240
atagtcaaaa gtagagtttg tattaatgt tccaatgaca tttattttta atacttaaaa 300
aatcatgtac tttgaaatat gtcaaagcaa cttctgataa tatacctgaa tttgtagttg 360
tctcttgagc atcatttact tcactcttaga tatagtgaag atctaggaaa gctctatatg 420
ctgttctttt ctacagttgt atttttgcag catctcctgg tttcattcac tcttgttttg 480
ggattttgtt tttagatctg catatttctt gtacatatgc atgcaaataa aagaagggag 540
tttgtagctg tgccmtttct cccttcagtt gctggttaak ggggatttgc tagaaaaaat 600
tctcccgttg aagggtgaaa acagaccctt atgtgtatay ctgtacagag atgtgtatat 660
gggatgtggt ggcactttgc tgaatgtgaa cttgccttgt caatggaaag attgaaaagt 720
attatgttta tttatacatt tgtataaatc tatatataca cgtatgtata tgtgtgtgta 780
tagataaagc tatatacata ttttccctt aaaaatgtgt gtgtataata ggtaaacagc 840
ctttgttaag caagattaat gtctatggaa agttctggat tattctgtaa gccagaggag 900
gtgacagtct agagtacatc atcagaacat actaaaatgg aagtcctttg gattatagtt 960
ttgtttatgg atattacaca atgaatgctt gtctgaacag ttcttacttg ccagttccac 1020
tattcttcat cttcaccacc ttctactggg cagtccttca tcacttaaaa aaaaaaatc 1080
acacatcatt gtgggttttt tcccccttaa ttctgtctct tctagccaga agcatctggc 1140
ttaagcatat ttcatcaact tctctgttat ttctttttaa ggatctttat ctctgaaatt 1200
ttcccagaag gatacaagtt ttgggnaata ttatcaatag gaattttgag gacttggggc 1260
attcatc 1267

```

<210> 1797

<211> 463

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (461)

<223> n equals a,t,g, or c

<400> 1797

1124

```

ggtcttagat tcagatagga gattcttctt aagatgctcc gtgttttttg ttttttgttt 60
ttctgtagaa gcaagagcag tctgtgatag aattatggca gcaagttctt aaccctttcc 120
agattaccaa actctgagaa tctgacatag cctgagagtc ttttctctcc cttgaaaata 180
gccattaatt cagtgactgt ttggagctgt gaggaaaaaa aaaaaaaaga aaatagccat 240
tagctcatgt gtacacaatt caaggtacaa tatccagagc ttagagggcc cattttgggc 300
tctagattaa ggacttctac tacagaatat tggaaataaa tgtcaatgga ctgcttaaat 360
aaattatagt acatccataa caatgggagt attgtgtgat aattaaaagg gagggagacc 420
tattatcccc tactttggac caacctccaa gatattatta ngg 463

```

<210> 1798

<211> 891

<212> DNA

<213> Homo sapiens

<400> 1798

```

cacttcttgg ctaaattatt atatcaaata tattcaaatc atattcttaa actcatcgag 60
ccatttgaac aaaaattatt ttgttttagc ttcattgagta tctttggaaa ataatttgtt 120
gaatatatat gattatgaga tattttctga taaacactga attttgaaac ctgaactcac 180
tatataattg cagtgttttg aaggcctgca tccattagca ttgcattata ttcacactgc 240
cttttttagt gaaccaagac ccattctctg gacgacagat ttatcttaag atgaaagggt 300
gtataacatg cccacaaggc ataaaaatgt taatgatgca agtaagtctt aagagtttaa 360
tgaccaagca aaactctacc accagatgct gactgcttgt tttgcagtgt tcaggaaaca 420
ccattttcct ggctcttaac gcttttgtat tggatggaa aagggtggc agctatagaa 480
caggagatcc atagcatttt gaacagaagt atctggaatc tctactgact gtgtgttata 540
aaagctatat caggcctggg tgactgaatt cttgcagaaa gcagtgtagt ggccaccatc 600
caaatcacca aaatggttct atgggagaaa ggaatgtcaa acttagtatt cacatatgaa 660
cactaactac tggaacagaa atgatagggc caagagatgc tttttaaat gtcccttatt 720
ctaaattaaa aggaagtgat aattttgttg ttaaatcatg catatagcct gactgctata 780
ttgcttctca tttcattgta actacttata tgttgtgccc attgactatc atctgtgaat 840
aaagaaagac aatattttagc aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a 891

```

<210> 1799

<211> 434

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (361)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (380)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (398)

<223> n equals a,t,g, or c

1125

<220>
<221> misc feature
<222> (425)
<223> n equals a,t,g, or c

<400> 1799
accctatcag acgtgggctg tccccatcaa aatatctgta cttcttgctt ctgccctaca 60
ttggaagcag cagaaaagaa gggtaagcag ggttctagaa atttgtgtta tgttttctcc 120
ccactgtatt tatttctttg gwtagtgggt caagaaattc tgttttcctg tagcaaatta 180
ataaagcggt caaacataag gaattacgac aacagcttgt agatgccaga cttcaacaaa 240
cagcacagct gataaaagaa gctgatgaaa gacatcagag agagagagag tttgkaagtt 300
ctacttcttg gaaaaaaaaa aaaaaagggc ggccgctcta gaggatccaa gcttacgtac 360
nccgtgcatg ccgacgtcan aagctcttct ataggggnac ctaaaatcaa ttcactgggc 420
cgcgntttac aacg 434

<210> 1800
<211> 449
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (353)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (390)
<223> n equals a,t,g, or c

<400> 1800
ctgttctgat atgctatccc tatttcatag ttaaatttaa aaccaaggaa ataaagtcct 60
gtattagttt ttttcttcc tgaatatcat gattatagaa atctttgctg atgtggacct 120
aaataagctt gttgttgaga cttccaragt tctgtcctgg gtagtttaaa agtctcaatt 180
ggccaaaact ttaatgaggt tttagtaaat cttataacag aggaaggga atttcaaaag 240
tatttacttc ttcactgaaa ggtgttgggt caaattcttc atctccatgc tattttggag 300
tttctcatta ctctttaact catcaaaaaa ttcattcttt taaatgcctt ttngtctca 360
gctaagtaac aagcatactg cagaaatttn gttgaataaa ttaatgtgtg atttctttta 420
ggatggaaga gtgtagaaa tggtcccaa 449

<210> 1801
<211> 695
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>

1126

<221> misc feature
 <222> (619)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (655)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (658)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (668)
 <223> n equals a,t,g, or c

<400> 1801
 ggnaaatata attacattac tattttaacac ctagcaaagc tattgtaggg tgtttccttt 60
 tccactcaaa tatacacagc taggctaataa aaagagattc catttttggc tggcaagatg 120
 tttgggcatc agtaatatc ccatatcata cattgttata atgtccctga tagtatttaa 180
 agaaaggaat tgatattagc tagtgattac taaacagcac aattctgtaa ctaaagggra 240
 aagaaactca ctaccattta gtagtctaca accttagcag ccttgtcaaa aatcaattct 300
 attatttttg cagtatagtgt gtatctattc aattttgaga aactataact gcttcacaaa 360
 cacttacatc aagctaatac gtatttgagc catccataaa cagactatgt agaaaagcca 420
 aacatctcat tagctacttt ggagttctcc ccttattttt aataaatgtc tgtcattaat 480
 gacgtcacta ctgaagacca tgaaaaaagt atatagttga cccttgaaca acatgggttt 540
 gaactgcaca ggtctactta tacacagatt ttttttttaa ccaaatgcag atcaaaaata 600
 cagtactgac aagatgcang aaccygkggt ttatgtgaaa tctctgtata ccaanaangg 660
 gcccgaentt tatttcttat tattaattgg gggtt 695

<210> 1802
 <211> 910
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (29)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (40)
 <223> n equals a,t,g, or c

<400> 1802
 gctttctcca gctctgagga caataagcgt ggaaagcgtn tccgcacaaa ttccagaagc 60
 actcccacta cccctcaagg gaaaccagag actacttttt tggaccaagg ctgctcttct 120

1127

```

ccagtgttaa tcgactgtcc ccacccaaac tgcaacaaaa agtacaagca cattaacggc 180
ctgaggtacc accaggetca tgcacactta gaccagaaaa acaagctgga gttcgagcct 240
gacagtgagg acaagatctc ggactgtgag gaaggattga gtaatgtggc acttgaatgc 300
agttagccaa gcacaagtgt atctgtttat gaccagttga aggcaccggc atyccctggc 360
gctggaaacc cacctgggac cccaaaggga aagagagagc tgatgagcaa tggcccaggc 420
tccattattg gtgctaaass tgggaagaat tctggcaaaa agaagggcct taacaatgaa 480
ctgaacaacc ttccagtaat ctccaacatg acggctgcgt tagacagttg ctccggcagca 540
gacggcagtt tggctgtgta gatgcctaaa ctggaagcag aaggattaat tgacaagaaa 600
aatttaggag ataaagaaaa gggcaaaaaa gctaacaact gcaaaacgga caaaaacctc 660
tctaaactga aaagtgcctg gcccatgtgc cctgccccag cccccactcc cccgcagcta 720
atcgctatac ccaactgcaac ctttacaacg accaccactg ggacaatacc cggactgccc 780
tccctcacia caactgttgt tcaggctaca ccaaagagtc ctccgttaaa acccattcaa 840
ccaaagccca caattatggg agagcccatc accgtgaacc cagctctggc gtcactcaaa 900
gacaaaaaga                                     910

```

<210> 1803

<211> 540

<212> DNA

<213> Homo sapiens

<400> 1803

```

catttactct gtgtgagctc agcagaattg aattccaact tggatatagg tgtccatggc 60
gttctactta ccctgggttc cgccttcttc cttgcctggc ggcctttcat gacatcataa 120
ttttgatctt cctttgttgg atactctgat cttgttcaca gagaaacata agcctaaata 180
tatgggtggtt attttttgtg ttgtggcaga ctctaaatac tgagtctact cagcgttatt 240
ttgcaactag agtggaggaa tcctaaagtg ttaaaagggc tttgaagatt gagtcagcat 300
ccttatcata cagtgcagaa gtctgaatta cagagattat gcagtgtatc gtggtcaacc 360
agtaaatttg ttgtccgtaa agtacgggtc agaaatctga gattacagag attatgcagt 420
gtatcatggk caaccagtac attttttgtc gttaacatcc agagccactg acagggaggc 480
tgaaaggcac agagtgaatt tttttgttcc ttgggctttt atcaagtttt gaagggatag 540

```

<210> 1804

<211> 231

<212> DNA

<213> Homo sapiens

<400> 1804

```

cccaacccgg cactcacagc cccgcagcgc atccccggtc cgcgccagcc tcccgcaccc 60
ccatcgccgg agctgcgccg agagccccag ggaggtgcca tgcggacggg tgtgtggtgg 120
tccacgtatg gatcctggcc ggctctggc gcggtggccg ggcgccccct cgccttctcg 180
gacgcggggc cccacgtgca ctacggctgg ggcgacccca tccgctgcg c 231

```

<210> 1805

<211> 388

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (103)

<223> n equals a,t,g, or c

1128

<220>

<221> misc feature

<222> (382)

<223> n equals a,t,g, or c

<400> 1805

```

cggacggtgg gtagagagatc tgggtggggag ctgatgttcc agtttgaggg ccctgcagct 60
ggagaccctgt ggggatctga tgttccagtt tgagggtggt gcnatggtga cccaggcggg 120
agctgrtggt ctagtkttag ggccctacag ctggagacct ggggargagc tgacgttccc 180
wttcgagggc tgtgcaggtg gagacctggg gaggactga tgttggttcta atttragtgt 240
ggtgcagctg gagatccagg gatgagatgg ccctgcrgtt caaatatgag ggtcccggag 300
ctggactcta cgtgaggaac caatgctgcc tctgatgtct taggttggtg agctggaaac 360
tcgaggagga actggtattg gngttcta 388

```

<210> 1806

<211> 284

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<400> 1806

```

aggcagaagg ccacgagaga gagaggagcg nggagagtgg tgaggaggat tcgtctctra 60
ctgatgaacc tcgccgtgcc tgtctgtcac atccaagtct gtgccagctg ctgggagggtc 120
agastcctgc cctgagaaac agcccagtc ttggagaatg aaaccctgag ggtcagtga 180
tggaggcctt ccctcggggc cagccattcc cgggargcct gagttgtgac ctggaagctc 240
trtgggtcmc caaractggc attttccttg ttatttttgt tgca 284

```

<210> 1807

<211> 334

<212> DNA

<213> Homo sapiens

<400> 1807

```

gtgagccact gtgtccagca gaaatgtact ttctagaaag aaaataattg gtacttcact 60
actttcccag ggaattcctt cagggtgaatg tccacccttt tgatctagaa gcagactcac 120
aattttgttt gtttggcaaa tcagcctctg agctcaactt ccttgctctgt aaaatggggc 180
taaggaaatg tgggttgctt tttcaaagg tactgttagg atggaatgag atcatgtgtg 240
taacaaaggc tttggaaact ttctggaatt tgaaggctat ataaataaaa gatggaccac 300
tctttcctta aatttggcac ctttcctggt cttt 334

```

<210> 1808

<211> 921

<212> DNA

<213> Homo sapiens

<220>

1129

<221> misc feature
<222> (486)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (812)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (845)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (876)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (888)
<223> n equals a,t,g, or c

<400> 1808
gttgtgctga agaatggcag agtacctgat ttatttagtc tcaaacaatt tcaactgcctg 60
ctatgttcaa gacccggtag gtttaatgct ctgtagtagc tataatgtaa atgtaccatg 120
aagaaatgct attttcttct acttattctt catttcaaac tattgtctta tactagtgtc 180
aagcattatc tgtttgtgat ttgctgaaaa acaaattctt tgtcaaagaa aatacttccc 240
ttaaaaatga gaaagcaatc ttaagtctca taaatctaata ccaggatcct tctatcataa 300
acttaactgt cttgawtttt actgagatta gccmaaata gagccaaaaa attccccctt 360
gcactaattt gttaccctta cattgacatt aaagggttgg catttaattc tccatcttga 420
tcttgaacta aatttcctga agaactgtaa ttgttacaag ccttgccact caggcatgtc 480
atgaanactc acttctgcca aaatagttat agctattaaa ttcctctgtg ataacttttt 540
tgttttctta actctaaatt aagatttggc acacagtaag acaacacaat ctaacaaaaa 600
agaatctgga tgtttagattt aaatagattt gaatttaaata tcaggctgtg ctggttacca 660
actaggttac tttaggcaaa ttatgcaatc tgtgtgatcc tcagtctcct cttctgtaaa 720
gtgaggatgt tacctacttc atggcattat gtgaagattt aaagggatga ctttaaaagc 780
gcctattaat tgtctggcac ataaaatatt cnataagtgg tattattctt aaaaaatatt 840
atgancctat tgcctttgtc tgtcttatac tctgantgat actaattnaa ctaccttatg 900
gctgaagggc tgcttaatgc c 921

<210> 1809
<211> 856
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (628)
<223> n equals a,t,g, or c

1130

<220>
 <221> misc feature
 <222> (764)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (805)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (817)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (837)
 <223> n equals a,t,g, or c

<400> 1809
 aaggaagtgg gatactggct ggcattgtca gtgttctaag tttcaggcat ttttattttt 60
 cctggctaaa cgttggtgaa agttataacc tcctgcctgg gagaaaatat acatcaccta 120
 aaatgaactt atggcagggtc taatcaaaag gctaaatata atttcagaaa aggttctgat 180
 actcttggtt ttgataaagc attttttcaa ctaaccatga attaagatga gtccatttgc 240
 ctcttctgcc ttcaactgagg gtttgggtta tacacctcta ctgaattgtg ttaataactg 300
 tttggcagtg tgtactttgt ttttgtgagt catgtctcat gaaatttatt ggaatgttta 360
 atcatatttg ctaagaaatg tttctgctgt agttggattt gcccatattt atgtaggtgg 420
 ttttaatttt ttaaagtgtg attagtgtta aaaatcaatt taaatcatga ctaatatggt 480
 aaaaagataa agcatcaaag cagtatttct cattcctgcc tcctcaatat ctaatactgg 540
 gaagatactt caaagaatat tgagattgtc tgaagtttta gttaagattt tcacacatta 600
 atatcaaaaa agtaagttta gtatttgntt ctccatgggt tatttgtaaa gctgtaaaact 660
 gagatatcgg tgactccgta ttatgactcc attagtgagc tgtgggtatgg gtaggatttt 720
 ctacttcttc tgtactttta cctggagact atttttacta agngngcttta taatgggggtt 780
 taaagcattg catttaccaa acaanggaaa atgctgnaaa tattgcatat tttatgnatt 840
 tggaccaaaa ggggtac 856

<210> 1810
 <211> 662
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (584)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (615)

1131

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (629)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (662)

<223> n equals a,t,g, or c

<400> 1810

```

tttaaactat gaaatgagga atgtaatccc ttctataaga tgtatactct ttgttatttg 60
ttgttaaatt ttgggtcttg tattccaact gatgcaaaat tctttttaca aagcactgaa 120
ataatacaga tttttcttca ttgtcagcag gatgagattg tctgaaacga agaataggta 180
tgatagtttt cttagatttt gcacatcata ggtggcaaag acactatcaa aacataagtt 240
tttaaatgta ctaggaagta ctttgtaaaa ccaaacggtc tgaagaaagt gacaggtaat 300
ttgtgagaat aaaactaaat tattggggta gtgtcttacc tctttgtata tttaaatgtt 360
ctgtttttta acatgtaaaag gttattttta tttgtttag attgtgtag catgctataa 420
atgttagaaa gtgcacttac aatctacttt aacttgaaga aagagagaaa tcgggtccaa 480
attgtatagc attgattgca acctagtgtg gcctagtaga atttctgagt tttaaaattt 540
tttaataaat caaaatgtat ttatttgaat tcatatcctg gaantatata tgtatcttat 600
taaattctta aaatnattaa atgggcaant gattaatctt taagtccaat tgaaattggt 660
gn 662

```

<210> 1811

<211> 691

<212> DNA

<213> Homo sapiens

<400> 1811

```

tggaaaaagt attttaaaac cttcatcaat ggaaaaagtgg tttgggggttc ctggtttgac 60
cacgtgaaag gatggtggga gatgaaagac agacaccaga ttctcttcc cttctatgag 120
gacataaaga gggacccaaa gcatgaaatt cggaaggtga tgcagttcat gggaaagaag 180
gtggatgaaa cagtgttaga taaaattgtc caggagacgt catttgagaa aatgaaagaa 240
aatcccatga caaatcggtc tacagtttcc aaatctatct tggaccagtc aatttcctcc 300
ttcatgagaa aaggaactgt gggggattgg aaaaaccact tcaactgttg ccagaatgag 360
aggtttgatg aaatctatag aagaaagatg gaaggaacct ccataaactt ctgcatggaa 420
ctctgagcaa gatgtaaata aaattaaaag gtggatggca agagtgcaa tactatcttc 480
aatccttcag tcccagccag aagaatctct gaaagcatat tgtgaatgta tacaatgtag 540
tacaacaat ctctgtgatg attaacagta tgtcaccact tcatttttta aaaaggatca 600
cgtctaattg ccattttccc aactattctt tccaaagtaa gatataaggt agcttaataa 660
actaagtaaa acgtaaaaaa aaaaaaaaaa a 691

```

<210> 1812

<211> 615

<212> DNA

<213> Homo sapiens

<220>

1132

<221> misc feature
 <222> (7)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (87)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (88)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (578)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (583)
 <223> n equals a,t,g, or c

<400> 1812
 tgggaanaat ctactcact attttggcaa agctggtacg cctgcaggta ccggtccgga 60
 attcccgggt cgacccattc gtccgcnnca gcctctctaa gtaggaggcc ccagtgggag 120
 agatgggctt tgactctggg gtcaaatgta gataattgga ctatggacag tggctggctg 180
 gtcaccaaca atgggtgttg aaacaaacat ttagaggcca tatttgggct tataaaaaata 240
 gttctgggccc gtgcatggtg gtcacacct gcaatcccag cactttggga ggctgaggac 300
 agcggatttc ttgagctcag gagttgggag accagcctgg gcaacatggt gatacctgtc 360
 tgtctcttta aaataaaaaa aatcaatgaa gttatgtgat gggctcatgg ctacaggtgg 420
 agaaaggcag tgcataatgca gcctcctcca tccttgacta aggctgacag agggctgggc 480
 ccaccaytgc tcaccctgag gcctcgtctt ctgactcccc tcctttcatt tctaggtggc 540
 attggtgarg ctgtgtccaa gagcagtaag tggccaancc tgnattact gttaccacc 600
 tggcagttaa cccgg 615

<210> 1813
 <211> 1205
 <212> DNA
 <213> Homo sapiens

<400> 1813
 atttatttgg ctcttgggag ctctactga aagtgtgaa atgtcgtact gacacttcag 60
 acttatagct acctagactc caagtaagat ttatctctga ctggagggtt tctcctatta 120
 aaaaccaaag agtgtagggt gccttcacct gctaggtaat cttctatgcc ctaatgggaa 180
 gaatgggagc agcagacaag taagtgcagg aaggagaacc aaagctgtgt ccatgccctt 240
 gaggaaagag aaattggacc agacaagttc agtggaaact ttctaattgga tccatcaact 300
 tcatcttgtc taagcagagt catagctaga atgtgactga aataggagaa ccacgtccag 360
 gggctcagggg ggattcctct gaaatcgcag ctggaacatt tcgtaatagt tctggtactg 420
 caccataga tactgtcacc tctactcttt cttccaatca ccattagcag atgccacagg 480

1133

```

attcctactt ctgaaagttt ttgggccccg cagtggcaag accggagaag ccaataaagt 540
ttaaggctac atgtttattc catccacaaa tttggtgaag gaggaaatgt ttacaattct 600
gccatgccat gaataggagt tttccaccgg gtgtacactg ctgttaacaa ggtgtaaata 660
cttgtccagt aaagagaccg tacgtactgc tgatgggacg tcccaacaca atgccagatg 720
caaaaacttc tttggtgatt gcttttgata aacttgagtg gctaaaggtc ttctttcaca 780
tctttgcccc cctywaatcc tgaaggcaag gtctctggaa tttgagctgt gccctcacat 840
gcctccaagg caccaacaaa gcaaaatgaa gagtctgcac tgcttatcag ttgacccaac 900
actcagtcca cattggagggg gaaggggtgg tgggctgagg atgtcttctt cctgtccagg 960
atgcaatatg gtcaaggatg aaaggaaaga gatgctggga gcaagtctgc attgaagatg 1020
tatttctgtt gctttactac caaccctggt tataaatgat gaaactataa tgggtctgta 1080
atagctactt tcccatatag ctcttgtctg tacatacata aaattaaaaa waatagaaya 1140
cttccattac taacatgtgg tgacaagcat tcttcattta ccatttttat tccaaaaaca 1200
tgatt 1205

```

<210> 1814

<211> 600

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (552)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (566)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (579)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (586)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (599)

<223> n equals a,t,g, or c

<400> 1814

```

gcggaacgct gggcggtctg gtggctttag acaagtcttt taaccttgct gtgcttctga 60
tttctcagct gaaaaatgga gatgatgata atggtttctg taaggcctta tggggaagca 120
cctagctcag ggcctggaag gcagggtgaa ccagtgggtc agttgttata aacgaacact 180
aaccctcgcc ttgtcacctc atgaatccag atatgtagat ggagsgcaca aagctagcag 240
gagccaagct cacgtgtgtc ctgctttaa gcccataacc cttttctccg ggtgacaaac 300
acctgtgctc gttctcttcc ctccccctct tccccttgca tttggctaata aacaggccag 360

```

1134

```

ctgcctgcct cctgcagtt tggtagatgg gtgggtaatg accaccactc cccacgttcg 420
cctgatgggc ttgttttccg tgcccttcac aggcattctgc aacaggcccc agccaggcct 480
gaagtcatcc tcagaaggga tggatcctga ggctgccatg cccagctggg caaacatgag 540
tctggattct tncccgaggt cggctncctt ggctgtgang ctgganggag atgaactgnt 600

```

<210> 1815

<211> 565

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (526)

<223> n equals a,t,g, or c

<400> 1815

```

aaaatgatat actactattg cttgtatatt gtgggtatacg gtgtcagggt tcagggtttt 60
ttttcaacgt taaatattct agaaactttc tgaaataatt tctgttttaa aatattgaat 120
atttgcttca tttcaaatac tcccttttga caaaaaaact taggtataac tgttgatgaa 180
aaaccagaaa aaagtccaga actctttggg gactccaact atggatagct tattttgaaa 240
aaggagaatt gcaaatttta ccaaaagatg gagaaaagca cattaaaaag ataccaacat 300
tcagaaattc atttcagcag ttattattgg aaatatttaa actaatttag ataactataa 360
gatacttatt gtccatttat acccgtaaag ccgtttttaga agtaatatat taggtaatcc 420
aaaagtacta aataaatcat tttagttatg agaaatcttg cttatagaca aagaaaagaa 480
taacaagttg tcaatgaaaa gatgacatkg aamcatttgt atgkcnctct taamctacct 540
attgactata ttaagccttt aatac 565

```

<210> 1816

<211> 286

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (283)

<223> n equals a,t,g, or c

<400> 1816

```

ggtctgggga gggacctgaa actatagatt tctgacaagt ttccaggaaa tgctgatttt 60
actgttcagg gaccacactt tggaaaccac acaaatagga atctcatgca aacccaaggc 120
acctatcaaa aaattttcaa ccaagtgatt ctgcatgaca agggccagca gtgctagggg 180
agaaacaaca ttctgttctt tggcccgtca gcaatgacca ttgccagagc caaactgaga 240
aragtgggct gtctgttcaa ggaactgaaa tatataatct tancaa 286

```

<210> 1817

<211> 1320

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

1135

<222> (1304)

<223> n equals a,t,g, or c

<400> 1817

```
gacgggggttt caccatgtta gccaggctag tctcgaactc ctgacctcag gtgatccacc 60
cgcctccgcc tcccaaagtg ctgggattac aggtatcagc caccgtgcct ggcctaataa 120
ttggaacatt ttcacatga aaatgtcatc agctttgcc aaagaaacaa ccaattgact 180
tgtktggcgt ttgttttcca ttttcatgtc aattttatgt atacagttag aatacccaag 240
gagaccacta aaatcagtta aacaagtagg gtatatacaa agaaagatga aacccgaaag 300
tacataaaaa ggattttaa ccgatttttag atgtacctag tgtgtatttc ttatctctag 360
acaagttcat gtttattgtt taatttatgc ccaagtgaag ttgtaaactt atggttcaac 420
tctgacacag aatttgtcac ttgtctgagg tcagtggcag gtttctctgc tgtcaacact 480
ctgtgtcacc caccagatta gtataactat taattcagac tgtactccta tgtttaagat 540
aatttttaca agagctggct gaagcagcac attagtaacc tgacaagatt tctttttyyy 600
ttttcagggg gaaaggggtca ccttaaaaat aaattatttt cagggaactt gggaatctaa 660
tgataaatat tacacataat ctatgaatag cttaatcctt tatatatcc ttaaaatagg 720
aattcctcga catcactcct ggccacactt tccttgctg tgttgttget atgtgtattt 780
gaaagtaata tctgcattcc ttttaagatg ttctgtaagt catatttgtc agttatacag 840
agtagtcttc cttttcccca cgttcagtgt aatctcactg aacagtaata atagcaatag 900
ctaacaacat ctgcacagca cttacagtt tgcaagaac gttcacacat tctcatttga 960
gttttgcata gtgaacctgt tacgagatgt ctcttgacgt cgatgctaaa agtggttagaa 1020
tctttacatc actagagtca ttgaatatgc tgtagtattg aatagtgcc tgactagggg 1080
gaggatttgg atgtgctgca tttcaagccg tgtataatca tcaaaatggg gggcttgagt 1140
tcttttagcta cttgaatccg atttacttct gtttaagtgt gcttttctaa ccgttttctg 1200
gatggatttt gtattcacta tattgtagct tgtaatttgt ataaatgtac catctgatgt 1260
cattaaaaaa agtggtttgta gtgctaaaaa aaaaaaaaaa aaanaaaaaa aaaaaaaaaa 1320
```

<210> 1818

<211> 821

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (816)

<223> n equals a,t,g, or c

<400> 1818

```
acaagtcaaa atacagagat gatgtaagca ttgcatttcg tatgtagaga tggtaaaaga 60
tgactatgag gacgattccc atgttttccg gaaaccgcc aatgacatca catcccagct 120
ggagattaat tttggtaacc tccctcgtcc tgggcgtgga gccagaggag gcaccgggg 180
aggccgggga aggatcagga gggcagagaa ctatggacct agagcagaag tggatgatgca 240
agatgtttgcc cccaaccag atgaccggga agatttcctt gcgctgtctt gaaagagccc 300
tgtttcccag caccgcggag ctgcactgca cacctgtggg gagacttttc cagctgggcc 360
aagggagtca gactctaaga acaatagatg ttgcttttcc cgtgtcatgt aaatttgttg 420
cacttttttg ggctgagctg ttagaggggc ttctccagag gctcgagagc aggccatttc 480
ccaagaagat gaagaatggt gactgtgttt ttattgaagg aatttcaaat gaagaataat 540
gttttaaaatg tgtatataga gatagtatag actcctccgc ggaagcatgg agggaaagga 600
ggttgtaaaa tagactccat ggagactcct aggaagcagt agattcccg gggctgtgcc 660
tttagcggtta gaggaacac atagagctgg aactgttaat ggaaagcagt cacagctgag 720
ttttcggaga ccaagaaatt aaaatacaat tgcacttaca aaaaaaaaaa aaaaaaaaaa 780
```

1136

aactckaggg ggggcccgtg cccaatcgcc ttgtgntgca t

821

<210> 1819

<211> 370

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (329)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (362)

<223> n equals a,t,g, or c

<400> 1819

```
gctagtytct agatcgcgag cggccttaat gttatcgaag gagaaatgtg aaacttgagt 60
ttaggggttac tgccgaagga agaccaaatt gaatgaaatc tggccttgga attggctgta 120
gattcttcct cctcgaattg ttactgaaaa ggagtcttaa aaattgaaaa tgtagcaga 180
gcattttgta gtgttacagg ctttgtaaat ttttcattgt agtacctgtt gctggcagag 240
taacttttca gaattgtaag atttgatata aacctgaatt caaggtaaaa tttagtcgtt 300
aaactgcacc tgacgagatt atgtccaanc aggctttata cgtattgcac tgtggaaact 360
tncaaatata                                     370
```

<210> 1820

<211> 402

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (311)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (367)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (378)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (389)

<223> n equals a,t,g, or c

1137

```

<400> 1820
ggaggagccc agcagagtc ctgggcagtc tgaccccttt aattgtggac taacttctcc 60
cagaacccat gataaggagt ttctctcctg attgaggata ccaagtgtgt gactgttagg 120
cagagcattg cagccccatt ttggtgttga tatggaaatt cctaggtcac tatgcagaca 180
agaaaaccag gaccccgagga gccagaaaaa cttgctgcaa gtctctagtt tgctcctatg 240
aatgcccctc caccctggaa gaagccctag acagtcctgt cccttcttcc ctgggtgcac 300
gtgtcccctg ntgctaggcc tggggcaatc ctgggtgtgt ttggctggcc cttggggggt 360
gggcttntct cctgccancc tgccacagnt gcactattct ct 402

```

```

<210> 1821
<211> 348
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (101)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (294)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (306)
<223> n equals a,t,g, or c

```

```

<400> 1821
gattttattg ttacagtga gagagccaac tcacagattt agatgatttt aaagatgcag 60
ttcaaatgag ggaaggatgt aaatactgtt tttcaattag ngaattaaca gttgcaaaag 120
tgggttactc catagagagc ttgtgatttc atgaaagcca tcaaagagta aacctcttgt 180
atagacagat tccttaattg ggtgtgctgt ctcacacgtg tgtgtgcaca tctgggtgtg 240
taatatatgt atgtgtacct cagtcctagg gctgtggtaa caaagtacca caanctggct 300
taaaanagaa atgtattctc acaagtcggg aatcaaggtg ttgacggg 348

```

```

<210> 1822
<211> 512
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (154)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

```

1138

<220>

<221> misc feature

<222> (460)

<223> n equals a,t,g, or c

<400> 1822

```

aattcggcac gaggaactt ccattgctct tcaggacaat tatgagatca gatatacagc 60
tatctctgtt ataaagaatc ttttgataaa acatgcattt gacacaagat accagcacia 120
gaaccaacaa gccaaaatag cacaattgta cctncccttt gttggactac ttttggaaaa 180
tatacagcga ttagcagggtc gagatacctt gtattcttgt gcagccatgc ctaattctgc 240
atccagagat gagtttccat gtggctttac ttcacctgcc aatagaggga gtctgagcac 300
tgacaaagac accgcttatg ggtcttttca aaatggacat ggaattaaga gagaagattc 360
aagagggttc ctcttccag aaggagcaac aggatttcca gatcaggga acactggtga 420
aaatacccgga cagaattcta caaggantat tgtatccan tataaccgcc tggatcagta 480
tgaaatcaca acctcctgat gttgctacct gt 512

```

<210> 1823

<211> 940

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (84)

<223> n equals a,t,g, or c

<400> 1823

```

tcttgattgt gataagcccc cctggaggat atgattcact ttatgtgatt catcttattc 60
acaggctctgt gagggactgc gaanttactc aggaaatgaa aacaaatgat ggcatgttg 120
cagttttttc cttgaaggac aaccgaacca tagcctctaa agttcaagtg cactgagggtg 180
tcggaacgct gaaagcatga ggaaacgagg acgtaggggtg tgactgaatg gtggctagat 240
tagtgggagc agttcacctg gatgaagatt gagagcatcg tctttgagaa gtgaaagact 300
agcaagaata aaataaatta agtccagtgt ttgagccaag gttgccacct gtctcttaac 360
atctcactga acataagtcc tgagggtatta ggacgaccat actgcctctg agctgaaaac 420
attcaaaagt tcacatccct gtttggggga taccattcac cgccttcagc ccagatgata 480
ctttccttta aatctgtgtc tctgtgtgta taacaaagag gaagatggaa acaatgttca 540
tggaactgc tgttgagccc cttgtccac cactcccgcc atctgctgca ggcaggaagg 600
catgtgagtg tacgttttct tccaggagac atcagggtccc ccyggattca aattaagtgc 660
aatattttgc aaacagctct tcttagggaa atctcctgaa ggaaaaaaat gtgacagaat 720
gttccatagt ctgagagaat ggaatcggtg agcatttagt acaagtccag tgtgtgtgag 780
cgggacttag gcagctcaag cttgcttttt tttttaagcg tacaattgag tggtttttagt 840
aaattcacia acttgttcaa ccatcaccac tatctaattc cagactcacg ctttttttaa 900
caataaatgt catttcatga aaaaaaaaaa aaaaaaaat 940

```

<210> 1824

<211> 502

<212> DNA

<213> Homo sapiens

<220>

1139

<221> misc feature
 <222> (19)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (73)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (163)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (309)
 <223> n equals a,t,g, or c

<400> 1824
 gtgctccacc gcggtgcn cgcctctagaa ctagtggatc ccccgggctt caggaattcg 60
 gcacgagcac ctncgcagcc ataccagga gaaagtggta gcctgcccc cctgtggggg 120
 catgtttgcc aacaatacca agttcttaga tcacatccgt cgcagagcct cattggatca 180
 gcagcacttc cagtgttctc actgttccaa gagatttgc acagagcggc tattgcgga 240
 ccacatgcgc aaccatgtga atcactataa gtgccctctg tgtgacatga cctgcccgt 300
 gccttcctnc ctccgcaacc acatgcgctt tcgtcacagt gaggaccggc cctttaaatg 360
 tgastgttgt gactacagct gcaagaatct tatygacctc cagaagcacc tggataccca 420
 cagcgaggag ccagcctaca ggtgtgattt tgagaactgc acttcagtgc scgatccctt 480
 gctctatcaa gtcccattac cg 502

<210> 1825
 <211> 641
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (38)
 <223> n equals a,t,g, or c

<400> 1825
 gagtgtgttc ctgtgggtgc ctcagctctt ctacttttaa tttaaccctt aaatatacag 60
 tagtgtggat ggaagctggg gaatgaactc ttgccaacag aagatttata gtcttatgaa 120
 tgagtaaat ctagatcttt ggaggttgat ttagaaagaa cggtagctgt aaattctgag 180
 tgtttttgtt tcagtgggtt ggagtttaga atagcttttc cttgtccaat aggaagtggg 240
 taaattgcc aaccactgag atcactattg ttgactcaga ttcaggaata agattagcgt 300
 aggaaagctg tcgagtaacc ctggaattgg ggctggttgt gattctgttt gctcttggt 360
 ggtgaggagg ctatgagttg gtatagccag tgggtccagg atcctgaatg tgttgctaaa 420
 ccatatactg ctttccatgg gctgttttta ggggccaggg ttggaggaga tatggtgttg 480
 ggtagcaact tgccctgtaa tagatggaga gctgttttct ccatggctcc tgcagtgtga 540
 gagggtgaggt gccagcttag agaaaattcc agatcctcgt tcatgattct taagcagatc 600

1140

cagattctta agcagatcca gattcttaag cagatatagc a

641

<210> 1826

<211> 447

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (94)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (148)

<223> n equals a,t,g, or c

<400> 1826

```

tcctccaggt gactctctcn tcctggccag naatagcccc cagacttttt ttaccccact 60
ggggtcaaag tttcccatgg accaaggaaa gaancttgca gcctttcttt aaaagcttag 120
gccctggacc ttggcaccag catcactnct cgtgtattc tattcatcaa aagcacttga 180
aaccaacca gatagtgtca atggggagca tccatgtata gcccgaattt gagacaagct 240
actatccttt aaaagacagg acttgcaagt gatgggaaa aataaaaacc ctccacagc 300
catgtctata catattaatt attattttta tctctccccg atatgtatat gttagttaa 360
trtggtgaat aatataaaac catttatattt ttcaaaatt gtagaattga aagaaaggg 420
aataggaggc catgctgaaa aaaaaaa 447

```

<210> 1827

<211> 590

<212> DNA

<213> Homo sapiens

<400> 1827

```

tttttgaatc ttccttaagt ttataaatat ttatttttta aaagaagatg ctgtgcctgt 60
gagaccatac tttttttttt tttttttttt tttttttttt ttttggtgac tgcaaaggac 120
agagaacctt tccactttgg ccatactggg ttgctaagcc ggagccattt cagctcctgg 180
ctcctcaaga taacggcgag tccagtgcc tcttgagaa gctccagggg cagggtgac 240
ttttctccta caggaggaac aatgtgggga tctgagggat gggagggaga cttcccccta 300
gagtgggtgt cctgctgggg gctcatatcc agggacccaa aaggggggct gtgtaggagg 360
ttccacattg gaggggctct ctctctcgca gctgtcagag ttggtcctgg ctgtggcgct 420
caaacagctt gagggaaaaa gatcctgtct aaccacctca tctactactc aagttctttc 480

```


1141

tgaaggaggg atttcttcag ttaaccatgg acagtgaggt ttctcaccac agtaacttga 540
gtccagggtt aggggggagac agatctgttg taaatctctg acttgggcag 590

<210> 1828

<211> 425

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<400> 1828

ggnaattccc gggtcgaccc acgcgtccgc agaaatgtta caagagtaag aggttcttac 60
ttgtacatag gctttcctgc tgaaaacagg cccctgctgt acagattttg ggtacataat 120
ttagctcttt tagtcaatcc aagagattta agtgaccccc cccccccgt gttttttttg 180
tttttgtttt tgttttgaat gccatgtaaa ggcttttttg ttaagacctc acttttaaaa 240
ctgccttaag tataaatagt acctttggaa tayatttagt tcatcatttg agctgccttc 300
atactggttt cctcagcctt ccttcagcct gtaatatatt cagcccactg tttaccttgt 360
ctcaataaaa ggttttcta gccaataaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 420
aaaaa 425

<210> 1829

<211> 382

<212> DNA

<213> Homo sapiens

<400> 1829

gtattacaaa tcttattgta cgcattttgt actagagaaa aacactgaag cagttgctca 60
aactttgttc aacatcaggg aatttatatt ggagaaaaat cctgcaaattg taatgaattt 120
ggaaaaacat tttttttcaa aaactacggc gtagaaaaaca tgaatttata ttgaaatgtg 180
tttttgcaga tgcagtaagt atgaaaaata tttaatccaa aattgagctt atgtaaatat 240
taataaatat acagtagaaa taactaaggc actgacactt tagacattac actaaaacag 300
agtgttgagt ataaaaaat ctataagttg ttagattatt tgtaaataac tttaaaagga 360
gtagaagatt cctttgggag ag 382

<210> 1830

<211> 832

<212> DNA

<213> Homo sapiens

<400> 1830

cagggtggt gcacaaatat ggccaattca aggagaaaca gggcagataa tcccacagag 60
ccggtgacac gccatccta ttcttgagta gacagagcca ttccatcac tctcaggcct 120
ctgtgggtaa ttggagctga caagggtcca tgcatagcag atgagattag tcccagctgg 180
acgtttccca gaaatggtcc tggggtttcc agtaacctct caratrarat cacttgtcta 240
gagatcactc tggaatatgt ctcatataag gcaaggagtc atggaaactg aatcatgttg 300
agagaggatg ttgtaggaat agaagcttct ggacaaagaa tgaggaagac tctggagatc 360
tagagagtgg ggatttgtga gtggtttcag gttttgttt tgtttttctt ctcttggcac 420
ccccaagcac taggcttatt tgctggacag aaatagatct taagtggaga ctgcaagtcc 480

1142

```

ttccgacgtg atgcactgga ggagatgcat gcctggaaaa gctctgccac ttgctggctg 540
gggtggcctgg gaacctctgg gtctcaggct cctcatccat aaaatgggga taataactaa 600
ttctcattaa ataagaaaca caagattgat ttgtggtaag cttaataagt aacaactact 660
cgagaaaata gcctttttaa gaactgacaa ccattgctaa gtgtctaccc taaaaaaaga 720
aataccagag atataagaaa aggtatacgt gcaaaaaaaa gttcattgk taatggaaaa 780
tattagaaat atattcaaca aagggaatgt tcagtacccc ctccccacca aa 832

```

<210> 1831

<211> 590

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<400> 1831

```

nttcggcaca ggcgaaatca gccatggctt tacttagttc ccaagtacac atcttcttat 60
ccacaaggat gaaactctgt agggctcacc ctgagggtc atgtgtggca ttgagagggg 120
agcagtgacc agaaccacc aaggccaca agatgttttg aatgagggaa catttaattg 180
catttgtag gagatagaaa ccaaataata aaggacaagg accacgtca ttccgtggag 240
aagaggtgaa ctccctctgc tgactatttg gaatggactg aatgaggagg tctctccagc 300
cagaaggagt attgaggtca tcaggcctca gaaaacaatg tacacataat ctcggtctgt 360
gaacaagaga aaggaggggg ggaaacatga aagtcaatct taacaatttt tgcaatacct 420
cttatttgca gaccattgga tttatgttat tgcactctcg gtgtgattta tcgtatgtat 480
ctgataggtt ttatgaattg ttttgagttg taaactccta taccctttat taaaatggac 540
ctaattaagt gaaaaaaaaa aaaaaaaaaa aaaaaaaaaa gtcgtatcga 590

```

<210> 1832

<211> 3266

<212> DNA

<213> Homo sapiens

<400> 1832

```

ggaccagcta agggaggcaa gaagaagaag gatcctaattg ctcccaaaag gccaccgtct 60
ggattcttcc tgttctgttc agaattccgc cccaagatca aatccacaaa ccccgccatc 120
tctattggag acgtggcaaa aaagctgggt gagatgtgga ataattttaa tgacagtga 180
aagcagcctt acatcactaa ggcggaagg ctgaaggaga agtatgagaa ggatgttgct 240
gactataagt cgaaaggaaa gtttgatggt gcaaagggtc ctgctaaagt tgcccgga 300
aaggtggaag aggaagatga agaagaggag gaggaagaag aggaggagga ggaggaggag 360
gatgaataaa gaaactgtt atctgtctcc ttgtgaatac ttagagtagg ggagcgccgt 420
aattgacaca tctcttattt gagaagtgtc tgttgccctc attaggttta attacaaaat 480
ttgatcacga tcatattgta gtctctcaaa gtgctctaga aattgtcagt ggtttacatg 540
aagtggccat ggggtgtctgg agcaccctga aactgtatca aagttgtaca ttttccaaa 600
cattttttaa atgaaaaggc actctcgtgt tctcctcact ctgtgcactt tgctgttggt 660
gtgacaaggc atttaaagat gtttctggca ttttcttttt atttgtaagg tgggtggaac 720
tatggttatt ggctagaagt cctgagtttt caactgtata tatctatagt ttgtaaaaag 780
aacaaaacaa ccgagacaaa cccttgatgc tccttgctcg gcgttgaggc tgtggggaag 840
atgccttttg ggagaggctg tagctcaggg cgtgcactgt gaggctggac ctgttgactc 900
tgcagggggc atccatttag cttcaggttg tcttgtttct gtatatagtg acatagcatt 960

```

1143

```

ctgctgccat cttagctgtg gacaaagggg ggtcagctgg catgagaata tttttttttt 1020
taagtgcggg agttttttaa ctgtttgttt ttaaacaac tatagaactc ttcattgtca 1080
gcaaagcaaa gagtcactgc atcaatgaaa gttcaagaac ctctgtact taaacacgat 1140
tcgcaacggt ctgttatttt ttttgtatgt ttagaatgct gaaatgttt tgaagttaa 1200
taaacagtat tacattttta aaactcttct ctattataac agtcaatttc tgactcacag 1260
cagtgaacaa acccccactc cattgtattt ggagactggc ctccctataa atgtggtagc 1320
ttcttttatt actcagtggc cagctcactt agggctgaga tgaaggagag ggctacttga 1380
agctactgtg tgattttgtt tgtgtctgag tggcattcag atgaagtctg gaggagttag 1440
gagaacgaca taggcaagggt tcagcagcct tccaagggtat aggaagggtg gtgattagga 1500
ctgaggctat ctaggtttta cttttgtccc acctccacc cctattttgt ggggccaaat 1560
gcattgctaa acagcaattt cagagtgtat ggtgtgtcaa aaattaaggc cttattgktt 1620
ttctctttca cccctacccc cctgtctcct ggcacatata acattatttg tgggtgcccc 1680
catttggggt cttgagcctg ctgctggtct cctggatgcc agtgagggtg tgtgggatgg 1740
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aaggaagatg ataggctcca tcttgggcca cctgagctat agggcagggt aatggaatca 1860
accatttctg agcactaaat gtatcatgaa aagttgaatg gcctgtcat aagtttagct 1920
cattcactgg aaatgtagat tgatgttcaa tgtaaactg gaaggagctt ggtttgtgtg 1980
tcagtgggta tattagtggg tagtgtaaca ttttatccag gttggggtga ggggagatgg 2040
ccacagtagc aagtgggtgac actaaatacc attttgaagg ctgatgtgta tatacatcat 2100
tactgtccgt agcaatgaag gatacagtac tgtgtgtgtg gtgagtgttg ctattgcccc 2160
gcattaatat ttgggtgtgt atgtttgagg ctatgaaaca cgcaggagtg tttttgtgct 2220
attaatttta agagaaagca gctttttctt aaaattcact gttgagaaac ttgcatgtct 2280
ggaggcgggt tcctctccgc cctgtcgggt cctggatgag tacgagttat ggtcacggtc 2340
acagcctgat ctcttatgtg ttcatagcca ttcgctctcc catcagaact gtttgtcctg 2400
aatgtgttcc tctagttcta gaaaatgacc actaatttaa aaaactcggg tgtgaggttt 2460
gcccagaggc acttggtcca gaatttcccc tcctgcttca gccatgtcct tgtcacttgg 2520
cattctaagc taaagcttta gcttcccaat tcgtgatgtg ctaggccaag attcgggagc 2580
tgttgccagc ctctgcaaat atggaagaga aacaacctgc ggtcaaaagg gagtgatattg 2640
ttaagtgtg cgcgtctatc tcataactag atgtaccaac cagggaaggg ccaaggatgg 2700
aaaggggtaa cttttgtgct tccaaagtag ctaagcagaa gtgggggagc agtttagcca 2760
gatgatcttt gattaggcaa acattgagtt ttaaagaggc tgtcaagttg aggccacttg 2820
gtccattagc tggggcagca agatcactac tcaacgtttt cacactgtgg caagattgct 2880
cttctagtgg aataatgccc tagtttctct gagatgatgt aagtggcatg atgttaccta 2940
aggcttaggc ttagcttgat ttctgggccc actgtctgtg ttcttaagat gccaacctgt 3000
tgcttttttt tttttttccc ccatttaaaa ggatagtacc tactccctct aaccacctca 3060
ccccattctt gaatgacatt ttatcttcgg aaagaacaag gctgtgatgt agtgactatt 3120
gtctgtgtct cctgtgtgtg tctgttcttg tcacaaatgt atttggggac gttggatgca 3180
ttcattttct gtaataaagt ttcttaatca ctcttcccaa aaarwaaaaa aaaaaaaaaa 3240
aaaaaaaaaa aaaaaaaaaa aaaaaa 3266

```

<210> 1833

<211> 858

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (848)

<223> n equals a,t,g, or c

<400> 1833

1144

```

agattcattt ttccatttaa atttcagttt cttggatcac tgaatatggg aagggagagc 60
ttcactaatt agacgcagct tcttaagaac ttatatcttc tttgacatac atctcaacaa 120
aaaaaaaaatc taactgaaga actaagttga ttttttattt gccataaacc aagcaaaagt 180
aaatgcaata atttcgagat ttatggtaaa caaatttgag gtatggataa atctttcaca 240
tattttttat tgctcttttag taaagaaagg cacaagaaag aaaatatcca gctctcttgt 300
gttatctcag tgtggcgact gcagaaaatt gacaatgcct gcctgtgtaa atgtatggct 360
tactgtcaaa gcttcattct tggctgcatg ttgaaaatgt gattaaagt aatagaggag 420
atgaaawaag tatttgagat ttttttcaat aacactgaac ttctgccaac tttctctatc 480
cgctactgta ggcttgacag gctcatcaat catttgctgg tacctggact aaaaagcgca 540
cttgctgaca ccaaggcatg ttggaatttt cttaattcag tggatggaaa aagaaatact 600
tccaaaaata tcccacacat gaaaagggag gggagcctta aatgaaaatt ccctttgtac 660
cgtagacact ttttggaatg cgattaattg ccaacacatc attgaacgaa tgctgtaacc 720
aagaaattaa gattgtgtgt gtgaagggaa tatattctta actgtggcta cccaacttgt 780
atagcaaaga tttctgatag tttgtgttca tctcatgtga ataataaata ctttacccta 840
aaaaaanaa aaaaaaag                                     858

```

<210> 1834

<211> 297

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (149)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (297)

<223> n equals a,t,g, or c

<400> 1834

```

ataaagacat gtgaccttct tgggtggtat actggcaatt tttaaaatat ctgatttatt 60
gtcagctcac cacatgatgt gatatttggt catgttgaag tagtgtgaaa gtaggcacat 120
tagtatgaaa gtatttctat taaagctgna attgctataa taacactaaa tctgtgttg 180
gcatggaata actagatggt tttaagaaag tactttcttt ggaagattgg gagaaagtac 240
tttaatttaa acattaaaaa gattggtaac tgctattttc aacagcagtc cccttan 297

```

<210> 1835

<211> 1258

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1237)

<223> n equals a,t,g, or c

<400> 1835

```

acaagatggc caaaggtgct aaagagattg atatcgcagc gaccctggag cacttgagtt 60
cgcgctgaca gccagtggct gaggaggtga acgccatcct caaggccctt cccagtgag 120

```

1145

```

cggcagctca ggggcctcag gggagccccc accccacgga tgttgtcagc ccaagcagag 180
tgattcaggg gctccccggg ggcagacacc tgtgyacccc atgagtagtg ccacttgag 240
gctggcactc cctgacctc acctttgcaa agttacagat gcacccaac attgagatgt 300
gtttttaatg ttaaaatatt gatttctacg ttatgaaaac agatgcccc gtgaatgctt 360
acctgtgaga taaccacaac caggaagaac aaatctgggc attgagcaag ctatgagggt 420
ccccgggagc acacgaaccc tgccaggccc ccgctggctc ctccaggcac gtcccgacc 480
tgtggggccc cagagagggg acatttccct cctgggagag aaggagatca gggcaactcg 540
gagagggctg cgagcatttc cctcccggga gagatcaggg cgacctgcac gactgcgta 600
gagcctggaa ggggaagtga aaaccagccg accggccctg cccctcttc cggtatcact 660
taatgaacca cgtgttttga catcatgtaa acctaagcac gtagagatga ttcggatttg 720
acaaaataac atttgagtat ccgattcgcc atcacccct accccagaaa taggacaatt 780
cacttcattg accaggatga tcacatggaa ggcggcgagc aggcagctgt gtgggctgca 840
gatttcctgt gtggggttca gcgtagaaaa cgcacctcca tcccgccct cccacagcat 900
tcctccatct tagatagatg gtactctcca aaggccctac cagagggaac acggcctact 960
gagcggacag aatgatgcca aaatattgct tatgtctcta catggtattg taatgaatat 1020
ctgctttaat atagctatca tttcttttcc aaaattactt ctctctatct ggaatttaat 1080
taatcgaaat gaatttatct gaatatagga agcatatgcc tacttgtaat ttctaactcc 1140
ttatgtttga agagaaactc cgggtgtgaga tatacaata tatttaattg tgtcatatta 1200
aacttctgat ttcacaaaaa aaaaaaaaaa aaaaaanccc gggggggccc ggaccatt 1258

```

<210> 1836

<211> 761

<212> DNA

<213> Homo sapiens

<400> 1836

```

cagaatttac ccctgacgcg gcggcgggccg acgggaagct gtgtgtgctt aggtcgtggt 60
ggccccgggtg gtggtgggct ccgggcgggc tcgcgtcatc ctgccccgc tgcgatgcat 120
ccgcggcgcc cggacggatt tgatggcttg ggctaccggg gtggtgccc ggacgagcag 180
ggctttggcg gcgccttccc tgcaaggtec ttcagcaccg ggtcggacct gggccactgg 240
gtgacgactc ccccagatat ccccggcagc cgcaacctgc actggggcga gaagagccc 300
ccctacggcg tgcccaccac ctccaccccg tacgaaggcc ccacggagga acccttttcc 360
agtggcgggc gcggcagtggt gcargggcag agcagtgaac agctgaatag atttgctgga 420
tttggtattg gacttgcaag tctctttaca gaaaatgtat tggcacatcc ttgcattggt 480
ctacgccgcc aatgtcaggt taattaccat gctcagcatt accatctcac tccatttaca 540
gtcatcaata ttatgtacag tttcaacaaa actcagggac cttagagccct gtggaaagga 600
atgggaagta catttattgt ccaggggagc acacttgagc cagaaggcat aattagtga 660
tttacacctt tgccaaggga ggttttacat aaatggagtc ctaaacaat aggagaacac 720
cttctactga aatccctaaa cttacgtggt ggcaatgcct t 761

```

<210> 1837

<211> 925

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (113)

<223> n equals a,t,g, or c

<220>

1146

<221> misc feature
 <222> (114)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (352)
 <223> n equals a,t,g, or c

<400> 1837
 aagacattgg accagagtgg agacgcgccc ttgtccccgg gagggggcgg ggcagcctcg 60
 ggctgcggct cgaggccacg cccccgtgcc cagggcgggg ttcggggacc ggnntgccgg 120
 cctcccttcc cctatggact cctcgacccc cctectaccc ctcccctcgc gcgctcgagg 180
 acctcgctgg agccgggtgcc ttacacagcg aacgcgggga ggggcagggc cccctgacac 240
 tgcagcactg agacacgagc cccctccccc agcccggtcac ccggggccgg ggcgaggggc 300
 ccattttcttg tatctggctg gactagatcc tattctgtcc cgcggcggcc tncaaagcct 360
 cccacccccac cccacgcaca ttcttggtcc ggtcggggtct ggcttggggg ccccttttct 420
 ctgtttccct cgtttgtctc tatcccgccc tcttgctgct tctctgtagt gcctgtcttt 480
 ccctatttgc ctctcctttc tctctgtcct gtctgtctct gtccctcggc cctccctggg 540
 tttgtctagt ctccctgtct ctctgattt cttctcttta ctattctcc cgggcagggtc 600
 ccactggaag gaccagactc tcccaaataa atccccacac gaacaaaatc caaaacccaa 660
 tccccctcyc taccggagcc gggaccctcc gccgcagcag aattaaactt ttttctgtgt 720
 ctgaggccct gctgacctgt gtgtgtgtgt gtgtgtgtgt gttgggggag ggtgacctag 780
 attgcagcat aaggactcta agtgagactg aaggaagatg ggaagatgac taactggggc 840
 cggaggagac tggcagacag gcttttatcc tctgagagac ttagaggtgg ggaataatca 900
 caaaaataaaa atgatcataa tagct 925

<210> 1838
 <211> 542
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (421)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (473)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (509)
 <223> n equals a,t,g, or c

<400> 1838
 ggcacgaggt tgaaaataac acattaggaa gtccagctgc ctcagagctt ttagagcatc 60
 tcaaacctac ttattggttt tctgcccacc ttcattgtgaa gtttgccgcc ttgatgcagc 120
 atcaggcaaa ggataaagga cagacagcca gagcaaccaa atttttagcc ttggacaaat 180

1147

```

gcttaccaca tagagatttt cttcagatat tagagataga acatgacccc agtgctcctg 240
attacttgga atatgatatt gaatggctca ctattctcag ggctacggat gatcttatta 300
atgtgactgg gcgcctgtgg aatatgccag aaaataatgg cctgcatgca aggtgggatt 360
atagtgaac agaagaagg atgaaagaag tattggaaaa attgaatcat gatctcaagg 420
ntccatgtaa ctttagtgta acagctgctt gttatgatcc tagcaagcca canacacaaa 480
tgcagctgat tcataggatc aatcctcana caactgaatt ttgtgcccaa cttggcatca 540
ta 542

```

<210> 1839

<211> 442

<212> DNA

<213> Homo sapiens

<400> 1839

```

tgcctataaa attacactgc ctccaattat gaaattcagg gatcttgtag ataattctaa 60
gtttgggaca gaaatttaca agcgatttct catatataca tacatttata tatgtacatg 120
ttacatatat ttagatgtat tctcatatac atatgaaaat atttatgatg aatagaatta 180
taagatatgt atgtatcttg cactgaatca taatttgaaa tatttcatga attcatttac 240
ttctattgac tcccaaaaatt ctaackgcaa gctagcttca gaacctgtga gaacccacc 300
ccacccaagc agctgcctag atttgtctac tgctatcatt ttgtgtaaag cagttgttct 360
aacttgaatg agtctagaat tcatcattaa gattgtgata tttatagagc atccaatgtg 420
gagatcatga tactttaaat at 442

```

<210> 1840

<211> 515

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<400> 1840

```

ttaccctcac taaaggggnc aaaagctggn gctccaccgc ggtgacgacc gctctagaac 60
tagtggatcc cccgggctgc aggaattcgg cagagccca gctcaccgc tgtcagctgg 120
ggtcctgctc tgggtgggagg aagaggctca gacgcttccc tgccctctcg cctcaaccam 180
ctcgargcag cggctcccag gatgtgcamb ttgacgacta aagctgagcc ggcgccgcac 240
gaccttgggc ggggtggtcgg cctctgccct gagcaggaag tagaaagtct cagcagaccc 300
ttcctgaggg ccgagcaaca gtgtagtggc gtattccaca tagcaaacag ttttctgaag 360
ctcagagggg cacttgtat tgctggatga taaaaacagg agcaaagtga tgaagtgctg 420

```

1148

acaaggcaac aatagaacat gagagattca ctgctgtgta ggaagagatc ttcggtgacc 480
 atgtagcctg aagctctcat tttgtcaatc gaggg 515

<210> 1841

<211> 1027

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1022)

<223> n equals a,t,g, or c

<400> 1841

ccacgcgtcc gagccttcgc cggcgtcccg acccgaggcc ggacccgagg ccagtcccgc 60
 cgctgcgcag ccgaagccag tgcggggcct gagagggacg cgcgccccgg ggcccccgcc 120
 gcgggcacca tgggcgctgc ccactccgcg tctgaggagg tgcgggagct cgagggcaag 180
 accggcttct catcggatca gatcgagcag ctccatcgga gatttaagca gctgagtgga 240
 gatcagccta ccattcgcaa ggagaacttc aacaatgtcc cggacctgga gctcaacccc 300
 atccgatcca aaattgttcg tgccttcttc gacaacagga acctgcgcaa gggaccaggt 360
 ggcttggtg atgagatcaa tttcgaggac ttcctgacca tcatgtccta ctccggcccc 420
 atcgacacca ccatggacga ggaacagggt gagctgtccc ggaaggagaa gctgagattt 480
 ctgttccaca tgtacgactc ggacagcgac ggccgcacat ctctggaaga atatcgaaat 540
 gtggtcgagg agctgctgtc gggaaaccct cacatcgaga aggagtccgc tcgctccatc 600
 gccgacgggg ccatgatgga ggcggccagc gtgtgcatgg ggcagatgga gcctgatcag 660
 gtgtacgagg ggatcacctt cgaggacttc ctgaagatct ggcaggggat cgacattgag 720
 accaagatgc acgtccgctt ccttaacatg gaaaccatgg cctctgccca ctgaccacc 780
 gccacctccg cggagaaact gcactttgca atggggccgc ctccccgcgt agctggagca 840
 gccaggcccc ggcggacagc ctcttcctgc agcgccggtg catagccaag gctcgtctgc 900
 gcaccttgtg tcttgtaggg tatggtatgt gggacttcgc tgtttttatc tccaataaaa 960
 aaaaaaaaaa ggtttgttaa waaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1020
 anggggg 1027

<210> 1842

<211> 444

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (339)

<223> n equals a,t,g, or c

<400> 1842

atcttgtggr akgttttaca gacaagttag ccaagacaca gataagttag gttacggggc 60
 aaagtaatac agtgattgag cagtggagct gaaggagatc caggcagctt gactggcaga 120
 gcctttttct tcaccacgac atgggcagag gttagagagt tttgccacac tggcggtcga 180
 gtgacacatc aaggagggat gtggttcgag caggctaaag gccataggaa gggaggagct 240
 ggagactcca ggtgcgcagc caccttgggt ggctggggtg gggcaggagg ccgcagcaac 300
 agagacgggg tgggattgaa gaagtctttt ttttttctnt tttttaaaca aaagaaatag 360
 aacttgtcta tatgctgggg tktgggaaag gagcaagtag atggagagag gctgaagata 420

1149

cttgcttctg gggaggagct ggag

444

<210> 1843

<211> 550

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (516)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (523)

<223> n equals a,t,g, or c

<400> 1843

```

gcctatttga atggaatcct gctctttgga catatgctga agatatttct tgaaaatggc 60
gaaaatactt accaccccca aatttgctca tgctttcagg aatctcactt ttgaagggta 120
tgacgggtcca gtgaccttggt atgactgggg ggatgttgac agtaccatgg tgcttctgta 180
tacctctgtg gacaccaaga aatacaaggt tcttttgacc tatgataccc acgtaaataa 240
gacctatcct gtggatatga gccccacatt cacttggaag aactctaaac ttcctaataa 300
tattacaggg cggggccctc agatcctgat gattgcagtc ttcacctca ctggagctgt 360
ggtgctgtcc tgctgctgct ctctgatgc tcagaaaata tagaaaagat tatgaacttc 420
gtcagaaaaa atgggtccac attcctcctg aaaatatctt tcctctggag accaatgaga 480
ccaatcatgt tttagcctcca gatcgatgat gacaanagac ganattccat ccagaagact 540
acaacagtgc                                     550

```

<210> 1844

<211> 326

<212> DNA

<213> Homo sapiens

<400> 1844

```

caattgcagg tgtccatgcc tcccacacat ggggacctag tgggttttga cagcgtgggtg 60
tccagtccta gccccctcag tgcttgcctg tcacacttaa gcaagtraag gcctgaaggt 120
gccagctgt gccctcaggg gaaacttaag tcacccgccc tgtcagcact tggcccttgt 180
cgggcagtga gaggaggct gccccgcag accctcagga gccatgcagt tcacagcagt 240
agctggatyt ccctgaggac atttgtcctt gcatacttta atgatttgtc cacagaaaca 300
ccgggttgct ttcctctgcc cctcct                                     326

```

<210> 1845

<211> 577

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (453)

<223> n equals a,t,g, or c

1150

<220>
<221> misc feature
<222> (532)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (561)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (570)
<223> n equals a,t,g, or c

<400> 1845
cgaaattaga aaagggtgatg aattttggagg aagggggaatt ggctgcacct gtttctgata 60
tgttcagaag cttaatgaat ataatatctt aatttaaata aactgtttga ttgagaaaag 120
aggtagccac attattgttt agaaatgata gactgttatt gacttttggg gtagctggga 180
agctggagaa gaggtagtat gtagtttgct tttgatttca aaatgccacc tcttctgatt 240
ccagatacaa ttatcttttg gcacatttcc taattagcat taggttctta taaatgaaat 300
tttattttac acacagtttt taatggaact tacttttgaa catcacgaaa gttatctcta 360
gcccttttca tgccttargt gctgatrage attccgttta tcataagcta tgtcattagt 420
ctcagcttcc tagtgggaag taaaactcat agncaattct ctcagtcac catggatata 480
tagctagggtg gggggccagat gatgtgaaaa ttaacatatt gttatttagg gngccttggt 540
tttcatttta aggtgggttc nggcacccn gtttgaa 577

<210> 1846
<211> 732
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (190)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<400> 1846
cagcgatttc tgaactgaac gcaggcaagg gacgcgagag acaaatttta caggaaaacca 60
ttcacaactt tcaactcttcc tttgagagca gtgccagcaa caccagggcc cctggcaaca 120
gccctgtgct gtgatcctcc ttcccgagc caccarccca tgggtgggtg ggtgaggcca 180
gaagaaactn cctncggcaa gaggtagcag ccgctcaggt ggytctsetg gcatcggagc 240
ccacagaagt raggagtggc cgatggacct gccctccaaa tgtgcctgac tctgggtctt 300
gctgtcactg gatctcctgg catggcagac agaaagaaag atagtttgac caagtcgtag 360
aagctgatcc agcgggtaaa aagggggcag ggaactcgtc ccttttattc ttgcctcaga 420

1151

```

gctgcctgaa gacatgggcc aggccggagg ctggacaact ttggataacg ctgacctgta 480
cttccaagta aatgcctcct gaagagcccg ggacccttcc tgggagaatt ctgcagccag 540
aatgaagggtg ccatcagcag gaggcactgt gaagcaccat cctgtcgtg tccttgcca 600
ttcctagcaa gttaatcgtg tcttgttaac cagcagttcc tgttcaacgt gtaaagagac 660
ctgatgtttt ccctaataaa gctgataaca gattttgcag gaaaaaaaaa aaaaaaaaaa 720
aaaaaaaaag tc                                     732

```

<210> 1847

<211> 316

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (293)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (315)

<223> n equals a,t,g, or c

<400> 1847

```

gcgggctctg agtgctcttk cccgtccggc cccagccggc gcccggaat ctacgtcacc 60
cgaaaagcga ctataaacgc cggcgctcc gtccccagcc gcggctcggg aatccacccg 120
aagagtggct ataaacgtcc gcgcctccat tgcgtctctc tcttcaacta ggacactggt 180
cctcccacgc ctgacaccga cgtcgccagg acccggggt tgggggaact tggtgtccc 240
acgtctttca aataaagctg ttttgtctaa ctcaaaaaaa aaaaaaaaaa aancgagttt 300
tttttttttt ttttna                                     316

```

<210> 1848

<211> 717

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (25)

<223> n equals a,t,g, or c

<220>

1152

<221> misc feature
 <222> (572)
 <223> n equals a,t,g, or c

<400> 1848
 cgagcagtag cgngaagnca gacgnacgta tagggaaagc tggtagcct gcaggtaccg 60
 gtccggaatt cccgggtcga cccacgcgtc cgggagaagt gctcttttct acttggtggg 120
 tctcccattg gaaacataat cctatagtc cagaaggatt cagtccccag tggctttccc 180
 atccaaagag aaagagtttg agtttcttaa ctctgctgtt ctgccactta ctcccactag 240
 acaaccaggg acaaggtgca acatggaagt gtttgactta agtaggagca gaggagctgc 300
 atctaattctc atcatacctg gaacttgaca cacttaagca aatgccttcc catccctacc 360
 tgccagatgc ccccaactca atgaagttgg atgtctcacc agcttgatac cctttgaatt 420
 ttcagtcaga cattctggag ttctagcatc ctgtacctag gaccttctc tgtgtcactc 480
 ttggcctcct aaactctaag aaaataacta tattctggag cttgggcagt gtgttttgca 540
 taatccagca atctcctcat gacatgcatg tnttgatagt cctgaaacat tcattgagag 600
 ggtaaattgca gttgacctag aatgaccaat accaaacaga attttaagaa caggtggcca 660
 actcctatgg agcttactca catattacta ttcttttaag aacggaaaag taaaatt 717

<210> 1849
 <211> 363
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (348)
 <223> n equals a,t,g, or c

<400> 1849
 gggacgagga agccaaggac gaaaaggcag agcccaacag ggacaaatca gttgggcctc 60
 tccccagggc ggacccggag gtttcagaca ttgaatccag gattgcagcc ctgagggccg 120
 cagggtcac ggtgaagccc tcgggaaagc cccggaggaa gtcaaacctc cgggtctttt 180
 atgaggggac tctgagcctc tgctctgagg atctgaaaca cacacacctc gacagtgtaa 240
 aatccaaaag gagccgctg aatcatgttg cctcatgttg aaatcttagt ccgccgccac 300
 gtgaagatgg atgtgactag aacggagggc gccggaagct yacatyanar garctgctca 360
 cgt 363

<210> 1850
 <211> 536
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (507)
 <223> n equals a,t,g, or c

<400> 1850
 gtaaaaatga gacgaccacc tctcggatta aaaaaaaaaa gtgccagagt tctagggttc 60
 taagtgtatg ccaggaagga ggaggaataa ttttatgga gcatatatta tggaacacag 120
 tgagtatagt acctgccttt aaatgaatac tgttggtttt ttaggacagt tgcttttttt 180

1153

```

tcttttttct tcagctgtgt gcagttgatt aacttgtaca gagcctatca cacaatagat 240
gtttaagaaa tattaagtga atgaatgagg cagcattgct aatttttgta tagtgagaca 300
gtatctcaca gtccaggctg gagttcagtg gcattaacat aactcactgc agccttgaac 360
acctgagctc aaacgatacct ttcaccttat cctccagagt agctgggact acagtgcgct 420
gtcaacatgc ctggctaatt ttagttttct aattttttta gagttgggat ctcaactatgt 480
tgcttagact ggtcttgaac tcctggnctc atgccatcct cttgcctcag ctggta 536

```

<210> 1851

<211> 536

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (457)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (466)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (514)

<223> n equals a,t,g, or c

<400> 1851

```

gcttgacctg cggcagtgca gcccttggga cttccctcgc cttccacctc ctgctcgtct 60
gcttcacaag ctatcgctat ggtgttcgtg cgcaggccgt ggcccgcctt gaccacagtg 120
cttctggccc tgctcgtctg cctaggggag ctgggtcgacg cctaccccat caaaccgag 180
gctcccggcg aagacgcctc gccggaggag ctgaaccgct actacgcctc cctgcgccac 240
tacctcaacc tggtcacccg gcagcgggat gggaaaagag acggcccggg cacgcttctt 300
tccaaaacgt tcttccccga cggcgaggac cgcccgcgtc gtcgcggtaa aagcgcccgt 360
taccacacat cctgcatccg agagcgcggc ctggccctac cctggcaaca tcatttaacg 420
acgtctccca ggctcgcctc cccagatcca attcttncct tcgttncgca gtcggagggc 480
caaactgtgg tgaggaccct gaggtctctg gagnetgcca acagccagtc atttga 536

```

<210> 1852

<211> 2005

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (60)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (903)

1154

<223> n equals a,t,g, or c

<400> 1852

```

ctatcagacg atgaattgaa acacctcatt ctcagggcag cagatggatt tttgtttgtn 60
gtaggatgtg accgagggaa gatactcttt gtctcagagt ctgtcttcaa gatcctcaac 120
tacagccaga atgatctgat tggtcagagt ttgtttgact acctgcatcc taaagatatt 180
gccaaagtca aggagcagct ctctctctct gacaccgcac cccgggagcg gctcatagat 240
gcaaaaagat gaagtgtaac aggccttcag taaargttga agacaaggac ttccccyctw 300
cctgtctcaa gaaaaaagat cgaaaaagct tctgcmcawt ccacagcaca ggctatttga 360
aaagctggcc mcccacaaag tggggctgga tgaagacmac gaaccagaca atgaggggtg 420
taacctcagc tgcctcgtcg caattggacg actgcattct catgtagttc cacaaccagt 480
gaacggggaa atcaggggtga aatctatgga atatgtttct cggcacgcga tagatggaaa 540
gtttgttttt gtagaccaga gggcaacagc ttttttgcca tatttaccac aagaacttct 600
aggcacatcg tgttatgaat attttcacca agatgacata ggacatcttg cagaatgtca 660
taggcaagtt ttacagacga gagaaaaaat tacaactaat tgctataaat ttaaaatcaa 720
agatggttct tttatcacac tacggagtcg atggttcagt ttcatgaacc cttggacca 780
ggaagtagaa tatattgtct caactaacac tgttgttttg tccagagtgg acaccggaca 840
ccttggccaa gttgaaaggt gcacagttct gaggcaggcc tgacttcacg tttccttatt 900
gcntgggatg ttcacagagc caacgtcctg gaaggcgggg acccaacctt cccacagctc 960
acagcatccc cccacagcat ggacagcatg ctgccctctg gagaagggtg cccaaagagg 1020
accaccccca ctgttcagg gattccaggg ggaacccggg ctggggcagg aaaaataggc 1080
cgaatgattg ctgaggaaat catggaaatc cacaggataa gagggtcac gccttctagc 1140
tgtggctcca gccattgaa catcacgagt acgcctcccc ctgatgcctc ttctccagga 1200
ggcaagaaga ttttaaatgg agggactcca gacattcctt ccagtggcct actatcaggc 1260
caggctcagg agaaccagg ttatccatat tctgatagtt cttctattct tggtgagaac 1320
ccccacatag gtatagacat gattgacaac gaccaaggat caagtagtcc cagtaatgat 1380
gaggcagcaa tggctgtcat catgagcctc ttggaagcag atgctggact ggggtggcct 1440
gttgacttta gtgacttgcc atggccgctg taaacactac atgttgcttt ggcaacagct 1500
atagtatcaa agtgcattac tggtgaggtt ttacagtctg tgaagcttac tggataagga 1560
gagaatagct tttatgtact gacttcataa aagccatctc agagccattg atacaagtca 1620
atcttactat atgtaacttc agacaaaagt gaactaagcc tgctccagtg tttcctcatc 1680
attgattatt gggctagctg tggatagctt gcattaattg tatatttttg attctgtttg 1740
tgttgaattt tttaatcatt gtgcacagaa gcatcattgg tagcttttat atgcaaatgg 1800
tcatttcaga tgtatgggtg ttttacacta caaagaagtc ccccatgtgg atattttctta 1860
tactaattgt atcataaagc cgtttattct tccttgtaag aatcctttac tataaatatg 1920
ggttaaagta taatgtacta gacagttaaa tatttttaat aaatgtttcc cttgttctat 1980
aaaaaaaaa aaaaaaaaaa aaaaaa 2005

```

<210> 1853

<211> 566

<212> DNA

<213> Homo sapiens

<400> 1853

```

gtggacgcgt gggcggacgc gtgggacagg atgggagctt tgatgggtgga ggcggaaaga 60
aagatccagc gcaggagaga caattgaagc aaaggccttg agttgagaat tggccgtgcc 120
ctcatccttt cctgtttcct tttgttttg gcaatgaaaa gagcatggac tttggggttg 180
gatgtgcctg cattcaggtc ttgacactgc tgtattaccg ctcccaattt cttcatgaaa 240
caagattaac agtatcactt gtatcagtta gggtttgttg gttatgagca acctaaacct 300
actctggcta acttaaacat aaaaggaatc tattgggacg tattgacctg ccaagcctca 360
gaaaggacag gaatcaggga agcttcagag acctaaagag cagcagctga tagtatcttc 420

```

1155

```

agagtgctgc tgtcagaata aacctacaag ggckggtttc tctccttgtc ccaaccagat 480
caagggttcag attcctgaga aagaacctcc gtgggttagga agaacacaag cacattgatt 540
gacagcacta ggggaggtgt tgttcc                                     566

```

<210> 1854

<211> 250

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (246)

<223> n equals a,t,g, or c

<400> 1854

```

gantaccgtt tctcgagtcc gggcattgta caagcgcgtc ttgcagctgc accgtgttct 60
gcccccgac ctcaaatccc tgggcgacca gtacgtgaaa gacgaattta ggagacataa 120
gaccgtttgt tctgacgagg cacagcgttt cttgcaagaa tgggaggggt ttaagtgcct 180
aaagtcaggg agagaaaagg agacagtatt taaggaattt aagatcttga agtggaaaaag 240
gcctanaaga                                     250

```

<210> 1855

<211> 1159

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1143)

<223> n equals a,t,g, or c

<400> 1855

```

ggctaaataa gctatcgggc ccataccccc aaaatgttgg ttataccctt cccgtactaa 60
ttaatcccct ggcccaaccc gtcacttact ctaccatctt tgcaggcaca ctcatcacag 120
cgctaagctc gacttgattt tttacctgag taggcctaga aataaacatg ctagctttta 180
ttccagttct aaccaaaaaa ataaaccctc gttccacaga agctgccatc aagtatttcc 240
tcacgcaagc aaccgcatcc ataatccttc taatagctat cctcttcaac aatatactct 300
ccggacaatg aaccataacc aatactacca atcaatactc atcataatga atcataatgg 360
ctatagcaat aaaactagga atagccccc ttcactttct agtcccagag gttacccaag 420
gcacccctct gacatccggc ctgcttcttc tcacatgaca aaaactagcc cccatctcaa 480
tcataacca aatctctccc tctaataacg taagccttct cctcactctc tcaatcttat 540
ccatcatagc aggcagttga ggtggattaa accaaaccca gctacgcaaa atcttagcat 600
actcctcaat taccacata ggatgaataa tagcagttct accgtacaac cctaacataa 660
ccattcttaa tttaactatt tatattatcc taactactac cgcattccta ctactcaact 720
taaactccag caccacgacc ctactactat ctgcacctg aaacaagcta acatgactaa 780
cacccttaat tccateccac ctctctctcc taggaggcct gcccccgcta accggctttt 840

```

1156

```

tgcccaaatg ggccattatc gaagaattca caaaaaacaa tagcctcatc atccccacca 900
tcatagccac catcaccctc cttaacctct acttctacct acgcctaate tactccacct 960
caatcacact actccccata tctaacaacg taaaaataaa atgacagttt gaacatacaa 1020
aaccaccccc attcctcccc acactcatcg cccttaccac gctactccta cctatctccc 1080
cttttatact aataatctta taaaaaaaaa aaaaaaaaaa tcsagggggg gcccggtacc 1140
canttcgccc tatagttag                                     1159

```

<210> 1856

<211> 936

<212> DNA

<213> Homo sapiens

<400> 1856

```

ggcacaagac caaaactcca aatgcatcgg cactgacctc aacaggaatt ttaatgcttc 60
atggaactcc attcctaaca ccaatgaccc atgtgcagat aactatcggg gctctgcacc 120
agagtccgag aragagacga aakctgtcac taatttcatt agaagccacc tgaatgaaat 180
caagggtttac atcaccttcc attcctactc ccagatgcta ttgtttccct atggatatac 240
atcaaaaactg ccacctaacc atgaggactt ggccaaagtt gcaaagattg gcaactgatgt 300
tctatcaact cgatatgaaa cccgctacat ctatggccca atagaatcaa caatttacc 360
gatatcaggt tcttcttttag actgggctta tgacctgggc atcaaacaca catttgctt 420
tgagctccga gataaaggca aatttggttt tctccttcca gaatcccga taaagccaac 480
gtgcagagag accatgctag ctgtcaaatt tattgccaag tatatcctca agcatacttc 540
ctaaagaact gccctctgtt tggaataagc caattaatcc ttttttgtgc ctttcatcag 600
aaagtcaatc ttcagttatc cccaaatgca gtttctatct cactgaatc cttctcttgc 660
tcattttaagt cccatgttac tgetgtttgc ttttacttac tttcagtagc accataacga 720
agtagcttta agtgaaacct tttaactacc tttctttgct ccaagtgaag tttggacca 780
gcagaaagca ttattttgaa aggtgatata cagtggggca cagaaaacaa atgaaaaccy 840
tcagtttctc acagattttc accatgtggc ttcatcaatt tatgtgctaa tacaataaaa 900
taaatgacac ttaatgcttt aaaaaaaaaa aaaaaa                                     936

```

<210> 1857

<211> 534

<212> DNA

<213> Homo sapiens

<400> 1857

```

gcagtgctag atattgttwt aaattattty cattttaaac aagatgcctt ctaagctatt 60
gagcttatta aaaataatct tacatgttta cttagttgga gcaaaaataa gtctatttta 120
acaaatagct ttgtttttgc atgctaattg cagaaaggca tacgatgcac attatgctgt 180
tttaaagggt ttaccaccct tgtaaaaact ataactctaa atgggtttat ttgctgttac 240
acaaacaaca ctacataaaa cattttttcc taaatggtac aaatttataa actatcattt 300
ttcacttacg gtatttgtaa atactacact acaaaaatca gctttctgag aaagaaataa 360
tcatttattt atgatattga aaatttctac agtaaact caaaaccaag caaaaaacat 420
ttgtaagata cacggatatc atttgagaca acggtttttg taactaatgt gtttcatttt 480
ttaaataaag acaactaaaa ataaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaa 534

```

<210> 1858

<211> 1730

<212> DNA

<213> Homo sapiens

1157

<400> 1858

```

gtttctacctc ggtagcagca ccgcttctga tttccttgca gtggagatgc ggcgagggag 60
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cattgatgac aacagatggc acagtatcca tgtagccaga tttggaaaca ttgggttcaact 180
gagtgtaaaag gaaatgagct caaatcaaaa gtcaccaaca aaaacaagta aatccccctgg 240
gacagctaata gttctggatg taaacaattc aacactcatg tttgttggag gtcttggagg 300
acaaatcaag aaatctcctg ctgtgaaggt tactcatttt aaaggctgct tgggggaggc 360
cttcctgaat ggaaaatcca taggcctatg gaactatatt gaaagggaag gcaagtgccg 420
tgggtgcttc ggaagctccc agaatgaaga cccttccttc cattttgacg ggagtgggta 480
ctctgtcgtg gagaagtcac ttccggctac cgtgaccagc ataatcatgc tttttaatac 540
cttttcacct aatggacttc tttctctacc tgggttcata cggcacaaaa gactttttat 600
ccatcgagct gtttcgtggc agagtgaagg ttatgactga cctgggttca ggacccatta 660
cccttttgac agacagacgt tataacaatg gaacctggta caaaattgcc ttccagcgaa 720
accggaagca aggagtgcta gcagttatcg atgectataa caccagtaat aaagaaacca 780
agcagggcga gactccggga gcatcttctg acctcaaccg cctagacaag gacccgattt 840
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tgggctgcat caagaacctg gaaatatcca gatcaacctt tgacttactc agaaattcct 960
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tgtagaatth ttataattaa acaactttag ctctgccctt tactggggcc cagcataaat 1560
tgtctttaca ttggattgat tctgtggcaa atagtagtac actattagta aatagtatta 1620
tatcaatagt aaatagcatt atatcaacat tcctgtatat ttccctccaa aatatagact 1680
gaatgcttta aaagcacact gggcattttc atcataggta aagagggtta 1730

```

<210> 1859

<211> 890

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (495)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (514)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (883)

<223> n equals a,t,g, or c

1158

<400> 1859

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ctcagagtag ctggattttt ctaaagcaat tgcagaacac ctgctttttc tttgtttcct 60
ctagaaagga ccaaccacrc cgagctcagt tatggcacac acagtgggac ctagacaaag 120
ggagagggtg accgacatcc caactaggta aacacagagg aggttccaca tggacttata 180
tgggtggctg ttttgaaaac gagaaacagt caagagtccc tggccccaca gaccacctc 240
cccaactcag cactgtctgt ctgtgcagca ggtgcaagga cgtgttgaac tagctctctg 300
cagcctcctt ggaggatgtg atcctatggg aggggttaga gtattcagtc cttgacatyt 360
cccaaatgtg tgattccggg atgccaaagg cctttggcca ggtaatgcag tgytacagg 420
ytgaggttga catgcatccc caccctctga gaaaaagatc ctcagacaat ccatgtgctt 480
ctcttgtcct tcatnccacc ggagtctgtc tcanacccaa cyagatttca gtggagtga 540
gttcaggagg catggagctg acaaccatga ggctcggca gccaccgcca ccaccgccgc 600
cgccaccacc gtagcagcag cagcagcagc agcagcagca agagtaactc tgacttagga 660
atagagacag ccagagagaa atgtgatcaa tgaaggagac atctggagtg tgcgtgcttc 720
ttcagagggg cgggtgatgg gcagattgga aaaagcaccg cagatgggaa ccttaattct 780
tcttttctaa aattgatgct atgaaaattt gcgttttctg taacttgtaa aaactaaaag 840
ttgcttgtct actgaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 890
```

<210> 1860

<211> 558

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (23)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (53)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (72)

<223> n equals a,t,g, or c

<400> 1860

```
aaattaaccc tactaaagg gnncaaaagc tgggagctcc accgcggtga cgnccgctct 60
agaactagt gntcccccg gctgcaggaa ttcggcacga gaacaactga aggtgaagaa 120
atcactgagt caagtagcac tgaagaaatg gaggtcagaa gtgtggtggc tgatactgac 180
caaaaggctt taggaagtga agttcaggat gcttctaaag tcaactactca gatagataaa 240
gagaaaaaag aaattccagt gtcaattaaa aaagagcctg aagttactgt agtttcacag 300
cccaactgaac ctcagcctgt tytaataccc agtattaata tcaactctga cagtggagaa 360
aataaagaag aaatagggtt tttatcaaaa actgaaacta ttctgccacc agaattctgag 420
aatccaaagg aaaatgataa tgattcaggc actggttcca ctgctgatac tagcagtatt 480
```

1159

gacttgaatt tatccatctc tagctttcta agtaaaacta aagacagtgg atcgatatct 540
ttacaagaaa caaaaaaa 558

<210> 1861

<211> 843

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (49)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (682)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (688)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (788)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (807)

<223> n equals a,t,g, or c

<400> 1861

acnaacnctt actaaaggga acaaaagntg gaagctccac cgcggtgtng accgctctag 60
aactagtgga tcccccgggc tgcaggaatt cggcagcagc agggtcaggg ccagagccag 120

1160

```

aatccgaatc agaatcagag tcagaaccca aatccgaatg ccaatcagaa cctgactcag 180
aatctgatgc agaatctgac tcagagtttg agccagaagg agaaccggga aagcccgaag 240
cagaactcag gcaaggagca gaatgataac accagcaatg gcaccaacga ctacataggc 300
agtgtagaga aatggcggtta aatggctcaa aaaggcctgt acatacttct cccaaagcgc 360
cactgaaaag atggcatagc ttaaaagatg aaagtgtcca aacacatcct gcttccttca 420
ttgggggaagt tttaaaaaaa gtttagatgt tgcctttaca gttgcctttc aattcagtgt 480
tatactgtgt gtaggtaaaa caaatctcaa tatggaatta aattgtcttt ttgggggttg 540
actaaatatg aaatccgaaa gccaaaccag actcaccaga aattgctggt tagatatttt 600
aagaagttct taaattagtt atggagacaa agtgaaaaca taaaatgtga ccatttaact 660
tatggctaag aaatggactt tnaaattnat tccatggata cactgttaaa acccaatctt 720
ggaatcaaat attttttccc aggggggtgga ggaataagta ttaaacatta agggcaactt 780
aaaatggnaa cataaaacct tttattntcc ttctggattt taaacaaggg atctatttta 840
aat
843

```

```

<210> 1862
<211> 264
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (240)
<223> n equals a,t,g, or c

```

```

<400> 1862
gggtgaaggc catttgggca agccagggcg gctgaggagg cgatctccct gacccagggc 60
cggagttgcc cggagcctgc caccgctctc agccagcccg catccttctc tgttcttccc 120
ntcccccgtc tgccacggcg cgggtatccg cagccacagc ccggcgcccg tgaggcggcr 180
aagggggagg ggaggaatca agggatgagc gccggaaggc cgtmgggggc cctgagccgn 240
actaggacgg cccttggggc cgga
264

```

```

<210> 1863
<211> 1882
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

```

```

<400> 1863
ngcggcagat cttccagtcc ctgccgccct tcatggacat cctcctgctg ctgctgttct 60
tcatgatcat ctttgccatc ctcggtttct acttggtctc ccctaaccct tcagaccctt 120
acttcagcac cctggagAAC agcatcgta gtctgtttgt ccttctgacc acagccaatt 180
tcccagatgt gatgatgcc tcctactccc ggaaccctg gtctgcgctc ttcttcatcg 240

```

1161

```

tgtacctctc catcgagctg tatttcatca tgaacctgct tctggctgtg gtgttcgaca 300
ccttcaatga cattgagaaa cgcaagttca agtctttgct actgcacaag cgaaccgcta 360
tccagcatgc ctaccgcctg ctcatcagcc agaggaggcc tgccggcatc tcctacaggc 420
agtttgaagg cctcatgcgc ttctacaagc cccggatgag tgccagggag cgctatctta 480
ccttcaaggc cctgaatcag aacaacacac ccctgctcag cctaaaggac ttttacgata 540
tctacgaagt tgctgctttg aagtgggaagg ccaagaaaaa cagagagcac tggtttgatg 600
agcttcccag gacggcgctc ctcatcttca aaggtattaa tatecttggtg aagtccaagg 660
ccttccagta tttcatgtac ttggtgggtg cagtcaacgg ggtctggatc ctctgggaga 720
catttatgct gaaagggtggg aacttcttct ccaagcacgt gccctggagt tacctcgtct 780
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tgctggcgct ggccctcaac atggagccct tctatttcat cgtggctctg cgtccctctc 960
agctgctgag gttgttttaag ttgaaggagc gctaccgcaa cgtgctggac accatgttcg 1020
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ccatcgtggg catggagttc ttctgcggga tctcttccc caactgctgc aacacgagta 1140
cagtggcaga tgcctaccgc tggcgcaacc acaccgtggg caacaggacc gtggtggagg 1200
aaggctacta ttatctcaat aattttgaca acatcctcaa cagctttgtg accctgtttg 1260
agctcacagt tgtcaacaac tgggtacatca tcatggaagg cgtcacctct cagacctccc 1320
actggagccg cctctacttc atgacctttt acattgtgac catggtgggtg atgacgatca 1380
ttgtcgccct tatectcgag gccttcgtct tccgaatgaa ctacagccgc aagaaccagg 1440
actcggaagt tgatgggtggc atcacccctt agaaggaaat ctccaaagaa gagctgggtg 1500
ccgtcctgga gctctaccgg gaggcacggg gggcctcctc ggatgtcacc aggtgctgg 1560
agaccctctc ccagatggag agataccagc aacattccat ggtgtttctg ggacggcgat 1620
caaggaccaa gagcgacctg agcctgaaga tgtaccagga ggagatccag gagtggtag 1680
aggagcatgc cagggagcaa gagcagcagc gacaactcag cagcagtgca gccccgccg 1740
cccagcagcc cccaggcagc cgccagcgct cccagaccgt tacctagccc agcgcccgaa 1800
agccgtctct tctatgcaat aacacaatag tattactcta aaaaaaaaaa aaaaaaaaaa 1860
aaaaaaaaaa aaaagggggg gg                                     1882

```

<210> 1864

<211> 1926

<212> DNA

<213> Homo sapiens

<400> 1864

```

gcttggcaga ggcaaccaag aaagaaatta cattctttca aacacatcca tatttcagag 60
ttctcctgga ggaggggtca gccacggttc cccgactggc agaaagactt accactgaac 120
tcatcatgca tatccaaaaa tcgctcccgt tgtagaagg acaaataagg gagagccacc 180
agaaggcgac cgaggagctg cggcgttgcg gggctgacat cccagccag gaggccgaca 240
agatgttctt tctaattgag aaaatcaaga tgtttaatca ggacatcgaa aagttagtag 300
aaggagaaga agttgtaagg gagaatgaga cccgtttata caacaaaatc agagaggatt 360
ttaaaaactg ggtaggcata cttgcaacta atacccaaaa agttaaaaat attatccacg 420
aagaagttga aaaatatgaa aagcagtatc gaggcaagga gcttctggga tttgtcaact 480
acaagacatt tgagatcatc gtgcatcagt acatycagca gctggtggag cccgccctta 540
gcatgctcca gaaagccatg gaaattatcc agcaagcttt cattaacgtg gccaaaaaac 600
atthttggcg atthtttcaac cttaaccaa ctgttcagag caggttgaa gacataaaag 660
tgaaacacac agcaaaggca gaaaacatga tccaacttca gttcagaatg gagcagatgg 720
ttttttgtca agatcagatt tacagtgttg ttctgaagaa agtccgagaa gagatthtta 780
accctctggg gacgccttca cagaatatga agttgaactc tcattttccc agtaatgagt 840
cttcggtttc ctcttttact gaaataggca tccacctgaa tgctacttc ttggaaacca 900
gcaaacgtct cgccaaccag atcccattta taattcagta ttttatgctc cgagagaatg 960

```

1162

```

gtgactcctt gcagaaagcc atgatgcaga tactacagga aaaaaatcgc tattcctggc 1020
tgcttcaaga gcagagttag accgctacca agagaagaat ccttaaggag agaatttacc 1080
ggctcactca ggcgcgacac gcactctgtc aattctccag caaagagatc cactgaaggg 1140
cggcgatgcc tgtgggtgtt ttcttgtgcy tactcattca ttctaagggg agtcggtgca 1200
ggatgccgct tctgctttgg ggccaaactc ttctgtcact atcagtgtcc atctctactg 1260
tactccctca gcatcagagc atgcatcagg ggtccacaca ggctcagctc tctccaccac 1320
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gagtgattct ctttctctct tgtttccctg attatgatga gcttccattg ttctgttaag 1800
tcttgaagag gaatttaata aagcaaagaa actttttaaa aaaaaagagt acttctagag 1860
cggccggggg cccatcgat tttccaaccg ggtgggggta ccagggttaag tggtaacca 1920
aattcg 1926

```

<210> 1865

<211> 558

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<400> 1865

```

ctcgtgcaan nttgagcagt gttaggattt agaggagtct gcatagcaga taaagggaga 60
ggtgtagtag aagagtatct gtgaggatga tactcttggg attgcaggtc ataagactgg 120
gaaagtaggt aaatgctccc tgaatggggc ttatacttta tcctataggc agtgggaagc 180
cttaggtaag aatacagtga tacgaaagtt ttgcattcac tttagtaatg gtgaaaaact 240
ggggaacagt ctattagggtg gcagtctttg ggctggaata tcccaactga tttctgggtt 300
tattttctaa aattgttgcc ttggaccctt cctattttta taaccagaca cagaaaatca 360
ataaaagtgt gagcccagtt tatagactat tgccagcagt agttcagggt ttaaaaaaat 420
gatgagggat taatctaggg gcatgaagga gaaaggatag attttttatt tatgtctata 480
tataaataga catttatatt tacaaagggt gacttagcag gccttagtga ttgcttagca 540
agattaggga acagaaca 558

```

<210> 1866

<211> 349

<212> DNA

<213> Homo sapiens

<220>

1163

<221> misc feature
 <222> (53)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (294)
 <223> n equals a,t,g, or c

<400> 1866
 aattcggcac aggccttgatc ttcttctggg ggtagggag aaatctgtct ccttattgct 60
 ggttctctta ccaaaatgct ttataaaga aatgaccggt gacatttatt caccaaagga 120
 attaataatac tgagtcaaag attaacaatg ctatactata gagtaatagg tcatrtatag 180
 cctcrattga gttttttatg acaatatattt aacatacctc tctctctaca tatgaaatac 240
 catgaaagtg aractcaaaa tgacacagag ggaaagttag agggaaaatg gaantaattt 300
 cggtacatct ttatgggttt taaaggagta ggaaaataag gtggaaata 349

<210> 1867
 <211> 536
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (492)
 <223> n equals a,t,g, or c

<400> 1867
 gaattcggca gagggacatt tatttccttt ggagtcttat tcttttaagt acttctttaa 60
 acataaccat caccatcacc agaatttttt aaacatgaga ataagacaga cagaactttt 120
 ctttggtagt gttaacacaa aagggtgtctg atcttcatac aagcaatctt tgctcacata 180
 catcaaaatg gaatgacaca aggaaagaac cattttgcaa aaggaaacaa gacaagctgc 240
 cgtcagctag atacgttttcg attgttcagg aaagtctgta caggaaacttt gattggcatc 300
 ctgcttgtct accttctttc ctacttttaa gtggtagctc tgatcattgt tgtcagtgtt 360
 ttctgacccc tcagatctgg tctttgccta tcatgtctga tgtaggcact tggaccaatt 420
 cacctgcaaa tcaaggtaat cgaaccaagt gcctacatca gacatgatag gcaaagacgt 480
 cgagcggccc gnaaattttag tagtagtagt agtcggaccc cggggaaatt ccggga 536

<210> 1868
 <211> 853
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (816)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (839)

1164

<223> n equals a,t,g, or c

<400> 1868

```

cgccaggcca ggcacctagg ccagggggagc ggagacctcg tgggagcggg caggggggacc 60
tttcccctct cccgggcttc caccaggcg cctccccgct gtgaaacgcc gccgcccagg 120
aaaaactgca tagaaaatct aatggatgaa gatgagaaag acagagccaa gagagcttct 180
cgaaacaagt ctgagaaaga agcgtcgga ccagttcaat gttctcatca aagagctcag 240
ttccatgctc cctggcaaca cgcggaat ggacaaacc accgtgttg aaaaggtcat 300
cggatttttg cagaaacaca atgaagtctc agcgcaaacg gaaatctgtg acattcagca 360
agactggrag ccttcattcc tcagtaatga agaattcacc cagctgatgt tggagagcca 420
tttcagagac tgtgaagaat ccaggtgcca tgtcttagtg gccaggatgt tccctttcta 480
aaatgaggac agagcccagg agataaccca tcatgtccct agggaaactgc taatgccctc 540
cagatgtgac tcccgctctc tccctcttc tctctaagag gcacaaaacc agactccagg 600
aggactcaca tagctktgaa gtttgaaaaa acaaaattga cctggctgaa aaaacaaaat 660
tgacctgggc tgcagacmag ccaagctggt aaaagtatca rctgggcaa gacttgkgyy 720
taccagcatt gggagcagtt gcmcttcaaa aggagccaaa tgcctgkgyg ctgcggaawa 780
ggacttgggg attttgaatt watycaaaag catttntttc tttttaggcc cagaggttnt 840
tcccagggac aca 853

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<210> 1869

<211> 1246

<212> DNA

<213> Homo sapiens

<400> 1869

```

agtttcacgc ctgcaaacac aagcattctg ttgatcaacg gaaatatttt gatgtgccat 60
ttcttgtcta aacaagtttc atatacagca ccgagggggc cagagaggc agaggcccag 120
acagaagggtg aacatagcct tgcagggaga catatgccag gcaggatgac cattgggatt 180
gcatcaagta ttaatcagtt acttaagggtc ttcctgtcag acagttgaag ttcacattcc 240
ttttactttt cttaattagt ccactaggat ggtatgcctg ttttcaactt aacacatgca 300
tacttgtaaa tatttttagta tgctacagta atttgtcata tctttaatat ttattgtttg 360
taaagcagta aacatttctg tatttttagaa gtcatggagt aaaatcaaat atttatgata 420
aataattgga agtatgtttt agtttgaaga ttgtcctttt tctatcttg ctgcaaggaa 480
aaatggactt ctgattaggt tttacaattg tgaactttta tgtaaattgtt aagtgtttc 540
gaggagacca aactattatt aatatataaa atggccttgc ccttaaggag caaattaaat 600
ctcatggaga ttagactcaa aaggcaataa ataatcgagg gtttatgcaa tgaaatagaa 660
tttcagaaga gtttgatctt caaagattgt ccttcactct cagaaacagg caagtttctt 720
aaaagccctt atagtcgtgt ttttatttta aaaatcgtag cactttattt ttgaagtta 780
aaaagcccat aaacttaatg agtctttata atcagacaca tggaaatata gaaaaccaa 840
gactgatctt agaatataga gtagagagac atgtttgtta ttctcacta gtgactttag 900
tattttgtta tgtgatgttt ttaggtgca ccttttctca tgactcctt tactttatct 960
aatgtcttcc tctttaaagt gtgaccaga gaccagtagc atcagcatca cctgagacct 1020
gtgaacactg aagctccagc tcagacatgt tggggaccat ttaataaga tacctagctg 1080
attttttgca cagcaaactt tgaaaacccc tggctaaagg ggtagtattt gtatcactta 1140
tggaatataa tctcaggga attaaatctg ctcaattgac atttgtggtg tttcattttt 1200
taaattctct tgagtaactt ctgtagccct ttccagtgtg tcaggt 1246

```

<210> 1870

<211> 133

<212> DNA

<213> Homo sapiens

1165

<400> 1870

```

ctactctgtg tgtgggttct tggcaagctg ccatgtcttt ggggatcata gaaattattg 60
atgacacaga acactcatat gcccttagcc tgtacagctg attcaacatg ggaacagaaa 120
cactgtctag ggg                                     133

```

<210> 1871

<211> 422

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (416)

<223> n equals a,t,g, or c

<400> 1871

```

gcaggacagg aaaggtgaca gagnaagact ctatctcaaa aaaaawkaga ctatcttggt 60
cttaatcctc ttcaattctt cttttttatt cttttctccc tggtctcttt gtagtttaat 120
agttattttaa aatcagggtg agcattttta tgtttcagta taacacccaaa atgatctcag 180
ctaagttgct tttgttgctt cttttcatat gaagtttttt ccctatcctg tgaatcagcc 240
tttaatccaa aaatgacata aagagaagag caaggactga gccttaagta tgcctagaat 300
gttgaggagg ctgaggacag tgaagaagag atgaaataac cacaaccagt agcttgggaa 360
ccaggataat gtcataagac tcaaatggag ggaattaata tcaagggaag attaanaaaa 420
aa                                     422

```

<210> 1872

<211> 629

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (621)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (626)

<223> n equals a,t,g, or c

<400> 1872

```

gattttttti ttaagaggac ttttaagatc atgatatcta attttaattg tatttacaga 60
ggcttcaaag agtctttgat ttcttgcaact ttgttaaggc tttcttattc cttctcacat 120
cctagaaccg ggttaccctt ccgtgaggca gatccccctg aggtggccat cactgtgggtg 180
gccagcagtg cttccagact cctgcagtcg cgggttcctt tctgaaatgg atgtgtattt 240

```

1166

```

ccaaattcgg atggaagagg ctggattaaa gatagaagag aatgtcctaa gtagaagaga 300
aatatgttct taaattttaa atctctgaat tttctcctta cactggggaa ggtgtaggaa 360
tcatgtaatt gccgcctact ccggcatttg cagtagtgagg gagaagtctc tagaaccata 420
ttagacttaa tagataggac actcatgttt ttgtttgggt gggggtagca ttttaaaaga 480
ttattatcat agtcttttatt attaattatt ttggaggaca ggaaagcatt taccttctat 540
ctactttgca aactccatct gtgccataaa tcattatgga tgttgggktg ctatactctg 600
stttttaaat aatttgggca ngaccngga 629

```

<210> 1873

<211> 1407

<212> DNA

<213> Homo sapiens

<400> 1873

```

ctcaccctgt atgacatgtg caaggctgtc agcagggaca tcgtgttgga ggagatcaag 60
ctcattagca agactggtgg tcagcggggg gacttccatc gggcttagca cctgcccttc 120
tcacccatgg cccaccagg cctggagctg ggatgcaatg taggctgagg gaaagacgtc 180
aggttccttt aatcacagtc actgtttgtt taccttgagc agtaaaccgc aagtcagcct 240
gctctactac taacaaacag gcctgctgct agatgatctc taatgaccaa tggggcttcc 300
tttctatagg gaggatacca gcaggccctt aagccttcca ggacactaag gtcgtgggag 360
cgggactgca acaagcaatg ccagataact gagaaatcat gttctttgtg gactatttca 420
gacaaccagg ttccgacagt ccagcccaga acttttcctt ctcattttgg gttttctctt 480
ctcctgcttt cctggggaga gattaagcgc tcattaagca gaggagccca ctttgaggag 540
agcaaagcac aagcttgctt gaagaatgga tcccaacttc tcccggcag ctctgcctcc 600
ctaagtctgt gaagccgcag ccctgccctg tcctgtcctg tcctgacttc atctctcctt 660
ctgcccaggt ctgtgtccca tcagacttgc agcctttcag cttaacagtt gcccggtcct 720
getggccctt ttctctctgg cccctctctt ctgaaacagg atgtgcacac atggccatag 780
ccctaaggac tcctgccaga ccacacagcc cacacctggc cctgttcacg gctgttccac 840
ccaccctctt ttattctgga gcataatcagg gaaagaaaag ttgatgatag attgccttca 900
ccctcacagc gcacaaataa agctacgatg ccaactttgc agatgcaaga atgaagacac 960
tgtgtgggta gggcactgag ctgctgcagt ttcacaggga aggctgcacc tatcaatcaa 1020
tcaatcaatc ctatcccaag acacagttcc ctgagggaag aagaggaggg acctggaaag 1080
gcctaagggt gtactctctg tatagccccg ctatgggaaa ataaagtgga gtagggggca 1140
tagaaatgcw ccatactaagg gaaatctttt gtcagggtgg ggccaggggt gttcaaagct 1200
cattgcttgc attaccagct attagagaga tcagagaggg caattaatta gaggctcctg 1260
gttctcacat cccaaacaca cacagttctg gcctgctggg ctctctaact tggatgtctt 1320
tgagtccctc gtgggtgccc ctgcctgcct cccctctgcc ctatgccaaag gtgtgctggc 1380
aaatattaaa caaccagctc tctggaa 1407

```

<210> 1874

<211> 707

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (658)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1167

<222> (676)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (684)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (706)

<223> n equals a,t,g, or c

<400> 1874

```

ccgtctcaaa aaataaataa ataaataaaa aataaaacaa ataaataaaa gctaaagcat 60
tctaggaatt acatgtctgg gagctacttt gctgaatctc ttggaagttg ttaaggaaaag 120
gcatctgaga tataccagat cagaccttca tcttctgagc ttcccacttg taaactgaaa 180
ttttaaatta cctggaatag gcctcccttc tcttaactcc caatttgaag gctgcgattt 240
taaattagat gagaattttac ttaactctat ttgatacata tccttatgaa tgaacatttg 300
ttgactgtct actgaatgtg acaggtattg ttctaagcac tttatttgta atgacttact 360
tttacaaaac acccctatga gtaatgttct attgtcccct tatttacagt tgaggaaaact 420
gggtacagag rgattaagta actagtctga tgtcacaggt agtattcagc tgagccygca 480
ctcataaata tgatactgtc ctgcttctcc cttgctaata taggcaataa agagctttct 540
gaagggggaag aaatattatt attaaactga tttaatgaat tactataatt gcagtttcaa 600
taattagttt tgtaaaaatgc aactgggtat agcagttttt tgaagttttc taattttntc 660
cttctgtcac tttggntctg gtangtttgc cttttcacca ttgctna 707

```

<210> 1875

<211> 265

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (261)

<223> n equals a,t,g, or c

<400> 1875

```

gcaaaaaataa aggggctaca gaaacactca tttttatgct gttccctctt gggcttcatg 60
caaagacaat tctgtgtaaa tgtacagttg actctgattt ggaaatatga aaatcagtcc 120
atccttggtta taataaaattt ttttacaatt gtaattatat tgatgttcat attgtgtaaa 180
ataactcatt taataaaata gtactttgat ttacgacawm aaaaaaaaaa aaaaaaaaaa 240
aaaaaaaaaa aaaaaaaaaa naaaa 265

```

<210> 1876

<211> 513

<212> DNA

<213> Homo sapiens

<400> 1876

```

gcgggtccct tctacttctt ttcttttctt tctgggtgacc ctggcagtggt aaaactgccca 60

```

1168

```

cctcttttagg tttctgtaga gccaaaaata atctccta atgtcttctga tgtttgatag 120
gtattccctc ggaagttagg aattcccttt ctctccatat tgttgcatgg gcatggagag 180
ttaggtaagc atacttagag tctttatata tatttaccct ttttccttct cctaattcta 240
gtgtataacg gcccctgctt ttcctaggat gtctctccct aacaaaggag tggggctttc 300
aggcataatt agaaagacat gtgaaaagag taaagttcgc cagtcacaam ttagtggctg 360
ggagaagtat wtagtgactr cctgtcctag gaccctcag atagtgcag atctggagga 420
cagttgtcca ggacaggaga gtaagaytga gacagctgcg ccagtgtcca ggagacagtt 480
aacctcctgg ccctcaatga tcaagcatac ccg 513

```

<210> 1877

<211> 650

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (621)

<223> n equals a,t,g, or c

<400> 1877

```

ctttggagga gagactccta ggatggccca caacctgctg ctgcctgtag cagagctaga 60
aggggaaggag tctgccagct cttccacagc atccccacca tcctcctcca ctgccatctt 120
tcagccctct gaaaccgtgc tccttggaac gcaaagggcc gaggagcatc tggttttcat 180
ggcaaagctc tactccagag ctctttaa ac atctgcta taagtgaat aaatttttct 240
agaaaatggc aaagatgact tccaggtgga tattgtctc ttacgggtgtt ggggatgcca 300
gaacaccact tggttttatt tttctaagt catgtgatgt gatagagtgt gtggggctct 360
gtgtccttcc ctgggagctg gcattccagc gggcccctct ctttaccttt gtggggggaa 420
ggaggcaaga gagaaattcc ttcttccag ccagagaggg cagaagcaga ccgtagccca 480
ttggccttat gtgcgtgtgt gcgtgcgagt gtgtcactgc tgggtgggccg gagtgatgtg 540
gtgggaggga agccgggaat gtatcctttt cagacaaaat taaatatttt gaaatgagaa 600
aaaaaaaaa aaaaaactcg ngggggggcc cggtaaccca attcgcccta 650

```

<210> 1878

<211> 721

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (157)

<223> n equals a,t,g, or c

1169

<400> 1878

```

ctcagngccc gccccatact tgctgagccn gaggaaacca ggatgctgca ggagccagag 60
tctgcactat caagagctgc aggagggctt ctctgagttg gaagagggtc ctggtttgga 120
gaatgggtccc acggtggcca gcacaggagc aaatganagg gtgggacagc gggaacagac 180
acgtgctgct ctccttccac cctgagagaa tgctctccag acattcctgc atcccacccc 240
accaaactca gaagcttgct gggatccttc gagtccaata ggaagtcagg gagkgccttc 300
agttttcact caaagcaggc ccttttttcg ttccttccct gttaggggaa gatacacctg 360
gacgagaata tatectcacc tcaccaccct gaaaagctgc tttctccctt scatccatat 420
cctctcttcc tgtcacctcc ccatacagct tcacatttgc ctcacgcac tttcttttcc 480
tgtccacctt tcataatccc atccactcca aatcccggac cctgcacacg ccaactccct 540
gaatccaatt caggagtgcc ccagttcccc tttcgatcca tctcctttct actgtagcgg 600
agactacaag tcccaggatg ccccgctagc ccgtgaccgg ctaggaaata aagagccttc 660
tctccgcggt aaaaaaaaaa aaaaaaaaaa aaaactcgag ggggggcccg gtaccaatt 720
c

```

<210> 1879

<211> 564

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (474)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (524)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (536)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (549)

<223> n equals a,t,g, or c

<400> 1879

```

ctcgccctgca ctgctctccc tncgctgtgg ggaagcgaca acgtcccgat aacttgcaga 60
ctgtggcgca actggtcttg gtagcggagg cayycgaatg ctgcccgggt gagaaacctg 120
gcaaagaaaa cggctctcgac aatgagtagg ccacccatca ctactaacta cagatgactt 180
gccatttcat ttacaaagat gtcttctgct gctgaaaatg gagaggcagc acctggaaaa 240

```

1170

```

caaaatgaag aaaaaaccta taaaaagact gcatcatctg ctattaaagg tgctattcag 300
ctgggwatag gatacacagt gggtaatctc acttccaagc cagaaccgag atgttcttat 360
gcaagacttt tatgtggtgg aaagtgtgtt cctaccacgc gaagggaagc aatcctgacc 420
ccagcacatc actaccaag acttttagatt taaggacata cgctccatta gcantccggt 480
atttcagaga actttttggg tatcaagcct gatggattac ttgnattcca tcctgnagtg 540
aaacctctna tagaactggg ctaa 564

```

<210> 1880

<211> 277

<212> DNA

<213> Homo sapiens

<400> 1880

```

tttttttttt tttttttttt tttttttttt tttttttttt ttttctaagg cccaaaaaatc 60
tatraaacct tgattatttg ttagttttgc aattcaaac agctaattgc kgggtatttc 120
tcaaagtaag tattttaaac agcctgtaag atactgtata tgcgctgctg tagataccgg 180
aatgaatttt ctgtacatgt ttggttaatt tttttgtac atgatttttg tatgtttcct 240
tttcaataaa atcagattgg aacagtgaac aaaaaaa 277

```

<210> 1881

<211> 2522

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2420)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2510)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2517)

<223> n equals a,t,g, or c

<400> 1881

```

gccggcccgag cgcccgcac cggccmccgg tgccctccaga ggacctgggc agacaagatg 60
tgaaatggag aagtatctga cacctcagct tcctccagtt cctataattc cagagcataa 120
aaagtataga cgagacagtg cctcagtcgt agaccagttc ttactgaca ctgaagggtt 180
accttacagt atcaacatga acgtcttctt ccctgacatc actcaoctga gaactggcct 240
ctacaaatcc cagagaccgt gcgtaacaca catcaagaca gaacctgttg ccatttttcag 300
ccaccagagt gaaacgactg cccctcctcc ggccccgacc caggccctcc ctgagttcac 360
cagtatatcc agctcacacc agaccgcagc tccagaggtg aacaatatat tcatcaaaca 420
agaacttctt acaccagatc ttcattcttc tgtccctacc cagcagggcc acctgtacca 480
gctactgaat acaccggatc tagatatgcc cagttctaca aatcagacag cagcaatgga 540
cactcttaat gtttctatgt cagctgccat ggcaggcctt aacacacaca cctctgctgt 600
tccgcagact gcagtgaac aattccaggg catgccccct tgcacatata caatgccaaag 660

```

1171

```

tcagttttctt ccacaacagg ccacttactt tcccccgtea ccaccaagct cagagcctgg 720
aagtccagat agacaagcag agatgctcca gaatttaacc ccacctccat cctatgctgc 780
tacaattgct tctaaactgg caattcacaa tccaaattta cccaccacce tgccagttaa 840
ctcacaaaac atccaacctg tcagatacaa tagaaggagt aaccccgatt tggagaaacg 900
acgcatccac tactgcgatt accctgggtg cacaaaagtt tataccaagt cttctcattt 960
aaaagctcac ctgaggactc aactggtga aaagccatac aagtgtacct ggggaaggctg 1020
cgactggagg ttcgcgcgat cggatgagct gacccgccac taccggaagc acacaggcgc 1080
caagcccttc cagtgcgggg tgtgcaaccg cagcttctcg cgctctgacc acctggccct 1140
gcatatgaag aggcaccaga actgagcact gcccggtgtga cccgttccag gtcccctggg 1200
ctccctcaaa tgacagacct aactattcct gtgtaaaaac aacaaaaaca aaaaaaaca 1260
agaaaaccac aactaaaact ggaaatgtat attttgtata tttgagaaaa cagggaatac 1320
attgtattaa taccaaagtg tttggtcatt ttaagaatct ggaatgcttg ctgtaatgta 1380
tatggcttta ctcaagcara tctcatctca tgacaggcag ccacgtctca acatgggtaa 1440
gggggkggggg tggaggggar tgtgtgcagc gtttttacct aggcaccatc atttaatgtg 1500
acagtgttca gtaaacaat cagttggcag gcaccagaag aagaatggat tgtatgtcaa 1560
gattttactt ggcattgagt agtttttttc aatagtaggt aattccttag agatacagta 1620
tacctggcaa ttcacaaata gccattgaac aaatgtgtgg gtttttaaaa attatataca 1680
tatatgagtt gcctatatatt gctattcaaa attttgtaaa tatgcaaata agctttatag 1740
gtttattaca agtttttttag gattcttttg ggaagagtc ataattcttt tgaaaataac 1800
catgaatata cttacagtta ggatttgtgg taaggtagct ctcaacatta ccaaaatcat 1860
ttcttttagag ggaaggaata atcattcaaa tgaactttta aaaagcaaat ttcattgact 1920
gattaaaata ggattatttt aartacaaaa ggcattttat atgaattata aactgaagag 1980
cttaaagata gttacaaaat acaaaagttc aacctcttac aataagctaa acgcaatgtc 2040
attttttaaaa agaaggactt aggggtgctg tttcacatat gacaatgttg cttttatgat 2100
gcagtttcaa gtacaaaaac gttgaattga tgatgcagtt ttcatatatc gagatgttcg 2160
ctcgtgcagt actgttggtt aaatgacaat ttatgtggat tttgcatgta atacacagtg 2220
agacacagta attttatcta aattacagtg cagtttagtt aatctattaa tactgactca 2280
gtgtctgcct ttaaatataa atgakatgtt gaaaacttaa ggaagcaaat gctacatata 2340
tgcaatataa aatagtaatg tgatgctgat gctgttaacc rragggcaga ataaataagc 2400
aaaatgccaa aaggggtctn aattgaartg aaaatgtaat tttgttttta aaatattgtt 2460
tatcttttat ttaggggggg tgggtaatta ttagttaagt tttttttaan aaaaaanaaa 2520
tt 2522

```

<210> 1882

<211> 455

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (52)

1172

<223> n equals a,t,g, or c

<400> 1882

```

nnatcaaccc tcaactaaagg gaacaaaagc tggagctcca ccgcggtggc gnccgctcta 60
gaactagtgg atcccccggg ctgcaggaat tgggcacgag cccacctcca tcctatgctg 120
ctacaattgy ttctaaactg gcaattcaca atccaawttt acccaccacc tgccagttaa 180
ctcmcaaaaac wtccaacctg tcagatacaa tagaaggagt aaccccgatt tggagaaaacg 240
acgcattccac tactgcgatt accctgggtg cacaaaagtt tataccaagt cttctcattt 300
aaaagctcac ctgaggactc acactgggtg agttatcagt accagactat tttgcttcaa 360
tctgcaaaaag gaaggtgtgt gaaggtgaaa agccatacaa gtgtacctgg gaaggctgcg 420
actggagggtt cgcgcgatcg gatgagctga cccgcg                                     455

```

<210> 1883

<211> 858

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (856)

<223> n equals a,t,g, or c

<400> 1883

```

ggttctgccc ccactgctta taatgctggg gatctacatt aagatcttcc tgggtggcctg 60
caggcagctt cagcgactg agctgatgga ccactcgagg accaccctcc agcgggagat 120
ccatgcagcc aagtcactgg ccatgattgt ggggattttt gccctgtgct ggttacctgt 180
gcatgctgtt aactgtgtca ctcttttcca gccagctcag ggtaaaaata agcccaagtg 240
ggcaatgaat atggccattc ttctgtcaca tgccaattca gttgtcaatc ccattgtcta 300
tgcttaccgg aaccgagact tccgctacac ttttcacaaa attatctcca ggtatcttct 360
ctgccaagca gatgtcaaga gtgggaatgg tcaggctggg gtacagcctg ctctcggtgt 420
gggcctatga tctaggctct cgctcttcc aggagaagat acaaatccac aagaaacaaa 480
gaggacacgg ctggttttca ttgtgaaaga tagctacacc tcacaaggaa atggactgcc 540
tctcttgagc acttccctgg agctaccacg tatctagcta atatgtatgt gtcagtagta 600
ggctccaagg attgacaaat atatttatga tctattcagc tgcttttact gtgtggatta 660
tgccaacagc ttgaatggat tctaacagac tcttttgttt ttaaaagtct gccttgttta 720
tgggtgaaaaa ttactgaaac tattttactg tgaaacagtg tgaactatta taatgcaaat 780
actttttaac ttagaggcaa tggaaaaata aaagttgact gtactaaaaa tgtaaaaaaa 840
aaaaaaaaaa aaatttnt                                     858

```

<210> 1884

<211> 1419

<212> DNA

<213> Homo sapiens

<400> 1884

```

gtttccagta gcttggaag tagagatgac taatgtttta gccttttctt ggagaaaagg 60
aagaactctt cttgaatatt ttcacagatg attgtgattg ctttaaatga cctctgtggc 120
aatttaaatt agatggattt aatctcagta atgtgctggg cgcataaatg tcatgtttta 180
atagggaaaag ttacttgtaa atcttttagac ctttgttgtc acttaggctg gggagtcact 240
accctatttg gcatcttact agttgggggg accttttccg tgtacagtga tgggactttt 300
gtgaccttta ctctcactat gcaatagagg gtttcatgta gttaatctga catgtcaaaa 360

```


1173

```

ttgggaagac tgtaaccttt tttttttttt ttttaagattt ctcttttttg tgtccctcaa 420
tacttagcag atgttcattt ggtggaaatt cttattactt acatgaatga gtttgaattt 480
agtggcaagg aagaaaaaaaa aaactcaaat tattgtttta aaagaagaaa acttgcaaag 540
tacataagta ttttttaaaa atcaatcgaa cagaaaggaa tgcattgctgt ttttcaatgg 600
cttagacatg cttttttattc actgactagt attcactttt ttacaacttg tatcaaaaca 660
aatgatcttt gttttttgtca caggcaaaaa caggttgaca ctggtgggtt ggctttatta 720
attaattttt tttctattag gttttcttta ataattgtta atttctaaat tatagcatat 780
gttttagtta attctgaaat cagttacttc atttgttaat ttatccctca tatcatgaat 840
attgtttttt aaatgttcta tacaaatttg catcacttct tttcttacag cttttgcagt 900
taatatatcc taaacttgaa aatgtggtat caatcaataa tagaagtatc actggaggat 960
ttatttagct ttgtatttct taattttagt cctagctact aaagtatgta agccttaaag 1020
tttaaaatgt ttttcttaaa ttagctttat acacaaacat tttcatttac tttatgaaat 1080
gggaggagat agtccactgt gcttatgttt ttttgtttaa tttctatatt ctgaagcagt 1140
gcagatatag ggtatgctaa tcaagtgagc aagggtggaac atgtacaata taaggagaag 1200
ctgtaaaaaa cacagtataa aattatgaag tttggttaact gtaaaatgta ctgtatttat 1260
atgtaactct cattctaaaa gtggccacaa aagctgaatt ggaagcttca tgtctgcatt 1320
aaatttccta tatttttaaa gtgtatgatg aaattaattt ttcttgaata ttaaagtctg 1380
ccaattgcta tgaaaaaaaa aaaaaaaaaa aaaactcga 1419

```

<210> 1885

<211> 2013

<212> DNA

<213> Homo sapiens

<400> 1885

```

attcggcacg acggggcaaaa gtctctacca cacctactca actctgtcac gctagcacaa 60
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cctgttcccg gcctaccacc tctgctcccc cttctcttct ctaccattta actgtctcct 1560

```

1174

```

ctgctttgtt tcttatact gctgctggtg tctagagcca gccagcagta cctggcagac 1620
atcgcgaccc tgcgggcagc gcttaggact gcacatttac atttcccaa tgatctgggt 1680
agatggggac aggtgaagac ttggggaaac ggaaatatac gaatgacatg agacatgcat 1740
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gattatgagt gatcctccct ctattttgca aacagtctgt aagtaactga taaaacttta 1860
aaatatgcaa attttaaaat tatatagttt gatttactca tcaaattatc atgtatgctg 1920
ttatttaagt atgaataaag gcttttttaa attgggaaaa aaaaaaaaaa aaaaaaaaaa 1980
aaaaaaaaa aaaaaaaaaa aaaggggggg ggg 2013

```

<210> 1886

<211> 1893

<212> DNA

<213> Homo sapiens

<400> 1886

```

gcccacgcgt ccgcggacgc gtgggtcgac ccacgcgtcc gaaaaaacat ggtttctcct 60
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aagttaattc ttaacacaaa agagacattg taatgaggca caccactaaa gtgagcatgc 180
ccaattaaaa ccagtgtaat ataggataag aaaatctgat ttttcaaaaa agatactcta 240
cataaagaat ccttcatata aaaagttcct tcttgtagta catttaaagt ttttaattcac 300
tcatgtataa ctgagagttc ctttgagccc tttttaggca gggaggcatg tctgtcatct 360
agcgtgtggc ccagtaagtg attattacat tggaaatcagt ttttcagctc tttaaaataa 420
attctatgcc ataagaataa aagataaaga gcaaaattaa tgttaactat ttttagctta 480
ttataactat gtcaacaagt gtttattaat acctattatg ggaaagtcac tgtggttggc 540
attgaaaatt acatcatcct taaagcagta tttgtcccca gatggactca tcactagcaa 600
agactagggt catgggaagg catagggtga gagaatggga agatgragtg gaggcgggtt 660
gttaaagtgc tgtcagttag tgattttgtc tacttgaata atgggtccatg tttgggggca 720
tattgtgttt cataagaagt gaaaggtatt tgcaaagtaa gctacaaatg acccataaat 780
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gaactgggtc ttggtgatgt gcagatgggg ctggttggtta agagagctat tacaggtttt 900
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caaattacct ttcttactac actgtttgca gaatgaatgt agaaatgac ctgttagctt 1800
tctgaatgtt ctgtggttga atgtgttttt gcttaaataa agcttttggt atttgtttta 1860
attamaaaaa aaaaaaaaaa aaaaaaaact cga 1893

```

<210> 1887

<211> 433

<212> DNA

1175

<213> Homo sapiens

<400> 1887

```

aattcggcac gagggcgag gccccagcca gctcaggcta cactatccca ggatcagcat 60
ggcgcgtccgc cagtgggtaa tcgccctggc cttggctgcc ctccttggtg tggacaggga 120
agtgccagtg gcagcaggaa agctcccttt ctcaagaatg cccatctgtg aacacatggt 180
agagtctcca acctgttccc agatgtccaa cctggctctgc ggactgatg ggctcacata 240
tacgaatgaa tgccagctct gcttggcccg gataaaaacc aaacaggaca tccagatcat 300
gaaagatggc aaatgctgat cccacaggag cacctcaagc catgaagtgt cagctggaga 360
acagtgggtg gcatggagag gatatgacat gaaataaaag atccagccca aaaaaaaaaa 420
aaaaaaaaaa aaa                                     433

```

<210> 1888

<211> 413

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (400)

<223> n equals a,t,g, or c

<400> 1888

```

gaggggaagtc aagaagggag gttgaggact gcacttttga tttacttctg acttcacgag 60
tcacttttctg ccaaagaaat ctctcctttt gcttctagca ccgactagat ttccttcagc 120
tgatgattga ctcccagaat tcgaaagaaa ctgagtccca caaagctctg tctgatcttg 180
agctcgcagc ccagtcaata atcttcattt ttgctggcta tgaaaccacc agcagtgttc 240
tttccttcac tttatatgaa ctggccactc accctgatgt ccagcagaaa ctgcaaaagg 300
gagattgatg cagttttgcc caataaggca ccacctacct atgrtgccgt ggtacagatg 360
gattaccttg acakggtggt gaatgaaacc tcaaattatn cccgttggtg tta 413

```

<210> 1889

<211> 783

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (776)

<223> n equals a,t,g, or c

<400> 1889

```

gagaaaaagg tagaagaata aaagatccag tactttcttc tgggtaagca gttatgacca 60
gagatggaac cggcaactct ttggccagaa agctgtatcc aaaagacaga gaagatgaat 120
gtttttgttc actggtgact caggtaacac gtcttcaaga agccataggg aggttgaggg 180
agggaagtca agaagggagg ttgaggactg cacttttgat ttacttctga cttcacgagt 240
cactttctgc caaagaaatc tctccttttg cttctagcac cgactagatt tccttcagct 300
gatgattgac tcccagaatt cgaaagaaac tgagtccac aaagctctgt ctgatctgga 360
gctcgcagcc cagtcaataa tcttcatttt tgctggctat gaaaccacca gcagtgttct 420
ttccttcact ttatatgaac tggccactca cctgatgtc cagcagaaac tgcaaaagga 480
gattgatgca gttttgcccc ataagggtgag gggatgaccc ctggagatga agggaagagg 540

```

1176

```

tgaagcctta gcaaaaatgc ctctcacca ctccccagga gaatttttat aaaaagcata 600
atcactgatt ctttactga cataatgtag gaagcctctg aggagaaaaa caaagggaga 660
aacatagaga acggttgcta ctggcagaag cataagatct ttgtacaata ttgctggccc 720
tggttcacct gtttactgtt atcacataa tgctaagtaa aaaaaaaaaa aaaaanggcg 780
gcc                                                                 783

```

```

<210> 1890
<211> 399
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (368)
<223> n equals a,t,g, or c

```

```

<220>
<221> misc feature
<222> (398)
<223> n equals a,t,g, or c

```

```

<400> 1890
cgcnegagca ccctagcaca gcgccgggta agatgagcac ggaaggtggt ggccgtcgct 60
gccaggcaca agtktcccgc cgcattctct tcagcgcgag ccaccgattg tacagtaa 120
ttctaagtga tgaagaaaac ttgaaactgt ttgggaaatg caacaatcca aatggccatg 180
ggcacaatta taaagttgtg gtgacagtac atggagagat tgaccctgct acgggaatgg 240
ttatgaatct ggctgatctc aaaaaatata tggaggaggc gattatgcag ccccttgatc 300
ataagaatct ggatatggat gtgccatact ttgcagatgt ggtgatnctc cctggtctat 360
aacaggangc cccttaccca gcagcaggca gatatggnc                                                                 399

```

```

<210> 1891
<211> 3035
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (2911)
<223> n equals a,t,g, or c

```

```

<220>

```

1177

<221> misc feature

<222> (2959)

<223> n equals a,t,g, or c

<400> 1891

```
cccggagcag cgcggcagca gcatggctca cggggccggc gcgctgatgc tcaagtgcgt 60
ggtggtcggc gacggggcgg tgggcaagac gtgcctactc atgagctatg ccaacgacgc 120
cttcccggag agtacgtgcc caccgtcttc gaccactacg caggaagact atgaccgtct 180
gaggccttta tcttacccaa tgaccgatgt cttccttata tgcttctcgg tggtaaatcc 240
agcctcattt caaaatgtga aagaggagtg ggtaccggaa ctttaaggaat acgcaccaa 300
tgtacccttt ttattaatag gaactcagat tgatctccga gatgacccca aaacttttagc 360
aagactgaat gatatgaaag aaaaacctat atgtgtggaa caaggacaga aactagcaaa 420
agagatagga gcatgctgct atgtggaatg ttcagcttta acccagaagg gattgaagac 480
tgtttttgat gaggctatca tagccatttt aactccaaag aaacacactg taaaaaaaag 540
aataggatca agatgtataa actgttgttt aattacgtga gaaacatctt cagtggccaa 600
ggaaactgtc catttctctc agaaagcaaa tgaaatgcta cagctataacc cagacctttt 660
ataggtaatg aagcagttca aaacttgaaa gaaaacaaaa cctgtcctca gaattctata 720
aagtgtatta agaatgttcc ttaaagggtt aagaagcagt aagcagcatc tgaagccaca 780
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cttggctttg accatacaca tttctgcccc gcccttacag aatctgcaca aagaaatc 960
tccctttgct ccagttaatt gttcttgtat gtaagttgct ttctattcca gtatatccag 1020
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gagcacaagt gtaacctaaa tatttctata ttaaagctta atgtgctttc ttaaagaatg 1200
ccaaaagtgt aataaggctc taactgcatt tatcatgaac actaaaaatg tacacatttt 1260
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cccaaagtgc atgagacaca tgctaaaatt acaaattaaa attttgggtc agactttgcc 1380
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gaattacaac agtaaaactat tacacatttc caacttgcct ttggggattt atgaggattt 2640
tttttgggtg ggggaggggg ctccaattca tatctctgaa acccttcaca cttgggtttac 2700
taattcaaag ttagaagtct agaatttgcc ctgccctaac agaaacagat taggaatttg 2760
```

1178

```

tctacacaaa ctggtgtcac ctgtttcttg actgggattt ggtttctca ttataaatat 2820
gggaggtaga acagagatct ccaacgtctc tccatttat cacagtaatt ttcttattca 2880
cagtaatcat tgttggrtgt tactttttca ncttcacatt ctcaagatgg taaaaatcat 2940
gtatatagat tatcagaant ctaagcaaag atgactgtca catctgaage tgagggtgcct 3000
taggtacatc ggccgcgacc acggtgaagcc gaatt 3035

```

<210> 1892

<211> 376

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (374)

<223> n equals a,t,g, or c

<400> 1892

```

gtgagctccg tctcaaaaaa taaataaaat agaagcagcc ttgtaactgt atttaccatg 60
ataatatatt ctgcacggta agaattcctt ttacagacat tctttatcaa gaggtcggcc 120
cttctttttc aggcacataa gccaaatgca ggctgtgtg tagctgtgtg tttttctgt 180
ggttgcccga tttattccac ctccagctgg accccccact gcaaatagag aacagcgggtg 240
ggggatgggg gttaaaaagt agagaacctc ctttctgttc aactaatttc acgtgacagt 300
gcatgtattt attcaataaa acctttatgt tagctcaaaa aaaaattcca aatgaagaaa 360
agaaagaaac tttnaa 376

```

<210> 1893

<211> 1304

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1282)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1304)

<223> n equals a,t,g, or c

<400> 1893

```

cggcgggcgt cggctctgcc tgtaacggcg gcggcgggctg ctgctccaga cacctgcggc 60
ggcgcgggcg accccgcggc gggcgcgag atgtggcccc tggtagcggc gctgttgctg 120
ggctcggcgt gctgcggatc agctcagcta ctatttaata aaacaaaatc tgtagaattc 180
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aactacactt gtgaagtaac agaattaacc agagaagggtg aaacgatcat cgagctaaaa 480
tatcgtgttg tttcatgggt ttctccaaat gaaaatattc ttattgttat tttcccaatt 540
tttgctatac tcctgttctg gggacagttt ggtattaaaa cacttaataa tagatccggt 600

```

1179

```

gggatggatg agaaaacaat tgctttactt gttgctggac tagtgatcac tgtcattgtc 660
attgttggag ccattctttt cgtcccaggt gaatattcat taaagaatgc tactggcctt 720
ggtttaattg tgacttctac agggatatta atattacttc actactatgt gtttagtaca 780
gcgattggat taacctcctt cgtcattgcc atattggtta ttcagggtgat agcctatata 840
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ccttacgtga ttgttagtta agtttttatt caaagcagct gtaatttagt taataaaata 1260
attatgatct aaaaaaaaaa angacaagaa ttaaatgata aacn 1304

```

<210> 1894

<211> 2617

<212> DNA

<213> Homo sapiens

<400> 1894

```

ctactaaagg gaacaaaagc tggagctcca ccgcggtggc ggccgctcta gaactagtgg 60
atcccccggg ctgcaggaat tcggcackag cggctgggcg ctgaggatca gccgcttcct 120
gcctggattc cacagcttcg cgccgtgtac tgtcgcccca tccctgcgcg cccagcctgc 180
caagcagcgt gccccggttg caggcgtcat gcagcgggcg cgacccacgc tctgggcccgc 240
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cgcgccctccg cccgccgtgt gcgcggagct ggtgcgcgag ccgggctgcg gctgctgcct 420
gacgtgcgca ctgagcgagg gccagccgtg cggcatctac accgagcgtg gtggctccgg 480
ccttcgctgc cagccgtcgc ccgacgaggg gcgaccgtg caggcgtgc tggacggccg 540
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gccagctcca ggaaatgcta gtgagtcgga ggaagaccgc agcgccggca gtgtggagag 660
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ggagtcctac ttgtttaaaa aatatgtatc taagaatgtt ctagggcact ctgggaacct 1740
ataaaggcag gtatttcggg ccctcctctt caggaatctt cctgaagaca tggcccagtc 1800
gaaggcccag gatggctttt gctgcggccc cgtggggtag gagggacaga gagacaggga 1860
gagtcagcct ccacattcag aggcatacaca agtaatggca caattcttcg gatgactgca 1920

```

1180

```

gaaaatagtg tttttagtgc caacaactca agacgaagct tatttctgag gataagctct 1980
ttaaaggcaa agcttttattt tcatctctca tcttttgtcc tccttagcac aatgtaaaaa 2040
agaatagtaa tatcagaaca ggaaggagga atggcttgct ggggagccca tccaggacac 2100
tgggagcaca tagagattca cccatgtttg ttgaacttag agtcattctc atgcttttct 2160
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agacctcggt gtggacacac gctgcataga gctctccttg aaaacagagg ggtctcaaga 2460
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<210> 1895

<211> 550

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (497)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (521)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (526)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (528)

<223> n equals a,t,g, or c

<400> 1895

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tgaaatttgc aatgaaatgc tacacacctc ttgtctataa gggaattact ccatgtaaac 360
caattgatat taaatgtagt gttctcaatt ctgaggrgat tcattatgtc attaaacagy 420
tttccaagga wtcccttcaa tctgtgggtg tcccccgag gaagttagta ggtttttagt 480
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aacaattttt 550

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<210> 1896

1181

<211> 857

<212> DNA

<213> Homo sapiens

<400> 1896

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gcggggcgggg ctcgggccggg gcaccgggtga gtgccggggtg cagaggggagg cggcactggt 60
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tcatcagatg aagagcctat tgaagatgaa cagactccaa ttcatatatc atggctatct 180
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cgaaaaacct taatacactg ctatggagga cttgggagat cttgkcttgt agctgcttgk 540
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aggaattcaa atagcatata tatgaccatg tctgaaatgt cagttctcta gcataatttg 780
tattgaaatg aaaccaccag tgttatcaac ttgaatgtaa atgtacatgt gcagatatcc 840
ctaaagtttt attgaca 857

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<210> 1897

<211> 779

<212> DNA

<213> Homo sapiens

<400> 1897

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cgccggcgct gcagagggag gcggcactgg tctcgacgtg gggcgggccag cgatgaagcc 60
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gtaaatttaa agatgtttaga agaaatgtcc aaaaagatac agaagaacta aagagctgtg 180
gtatacaaga catatttgtt ttctgcacca gaggggaact gtcaaaatat agagtcccaa 240
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tgcgagacct aagaggatcc ggggcaatac agaccatcaa gcaatacaat tatcttcatg 540
agtttcggga caaattagct gcacatctat catcaagaga ttcacaatca agatctgtat 600
caagataaaag gaattcaaat agcatatata tgaccatgtc tgaaatgtca gttctctagc 660
ataatttgta ttgaaatgaa accaccagtg ttatcaactt gaatgtaaat gtacatgtgc 720
agatattcct aaagttttat tgacaaaaaa aaaaaggaag aaaaaaacac aacaaaaaa 779

```

<210> 1898

<211> 3310

<212> DNA

<213> Homo sapiens

<400> 1898

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cggaggagggt ctgctgtgga ggagaagcgg aggcagagac ttgaggagga caaagaacgc 60
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cgttgggtcgt ggggaggctc tctccatggg agccctagca tccacagtgc agctcgccgc 180
ctgcagctca gcccatggga gagcagcgtt gttaacagac tcctgacgcc cacacattcg 240

```

1182

```

ttcctggcca gaagtaaaaag cacagctgcc ttgtctggag aagcagcatc ttgcagcccc 300
atcatcatgc cctacaaaagc tgcacactct agaaattcga tggatcgacc aaaactcttt 360
gtaacaccac ctgaggggctc ttctcgcagg aggatcattc atggcacagc gagctataaa 420
aaagaaagag agagagaaaaa tktactcttc ctcacatctg gcacccgaag ggctgtatct 480
ccatctaata ccaaagcaag acaaccagct cgctcccgac tttggcttcc gtccaagtct 540
cttcctcatt tgcttggcac acccagaccg acatcctcct tgccaccgag ctcagtcaaa 600
gctgctcctg ctcagggtccg gcccccatcc cccggcaaca tccgacctgt caagagggaa 660
gtcaaaagtgg agcctgagaa gaaagatcct gagaaggaac ctcagaaaagt tgccaatgag 720
ccctcactaa agggcagagc accttttagtg aaggtagaag aagccacagt tgaagagcgg 780
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agtcattata ttagaaaaga aagctgttca acaaacttgt ttaatttgtt taaatcaaca 3240
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1183

aaaaaaaaaa

3310

<210> 1899
<211> 1184
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (995)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1041)
<223> n equals a,t,g, or c

<400> 1899
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gttggagggg agtgacagggc agcagagggc aaataaaata cctgtgaatc aaaccatgg 180
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aatgcaaaga gaaaagatac aaccagtgc aaagatgatt cgctaggaag ccaacaaaca 300
aatgaacaat gtgctcaaaa ggctgagcca acagagtcct gcgaacaaat tgctgtccaa 360
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aataatgaca accctttaga atcaaatgat gaaaaggagg gccagaagc cacttgctca 720
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ttaagaaaa gagtgatagg acaagaccac gacttttcag aatccagtga ggaggaggcg 840
cccgcagaag cctcaagcgg ggcactgaga agcaagcatg gtgagaaggc tcctatgact 900
tctagaagta catctacttg gagaataccc agcaggaaga gacgtttcag cagtagtgac 960
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ttaaaggata taacataaaa ngtgaatgta gcttttgcag caaataaaga cattcacttt 1080
ttatgttata tcctttaaaa taaaaaatta atttgttggg attttagatg atttgcattt 1140
tacattttca attagatgag ttgggctggt ataaaacata agcc 1184

<210> 1900
<211> 3878
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2078)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1184

<222> (2079)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3847)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3869)

<223> n equals a,t,g, or c

<400> 1900

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tgacacgggc cccacaggca tcaagtatga cctggaccgg caccagtaca actacgtgga 60
cgctgtgtgc tatgagaacc gactgcactg gtttgccaag tacttcccct acctggtgct 120
tctgcacacg ctcatcttcc tggcctgcag caacttctgg ttcaaattcc cgcgcaccag 180
ctcgaagctg gagcactttg tgtctatcct gctgaagtgc ttcgactcgc cctggaccac 240
gagggccctg tcggagacag tgggtggagga gagcgacccc aagccggcct tcagcaagat 300
gaatgggtcc atggacaaaa agtcatcgac cgtcagttag gacgtggagg ccaccgtgcc 360
catgctgcag cggaccaagt cacggatcga gcagggtatc gtggaccgct cagagacggg 420
cgtgctggac aagaaggagg gggagcaagc caaggcgctg tttgagaagg tgaagaagtt 480
ccggacccat gtggaggagg gggacattgt gtaccgcctc tacatgcggc agaccatcat 540
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gttcgacgtg gactgcaccg tggacattga gagcctgacg ggctaccgca cctaccgctg 660
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1185

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gattatgtcc atccgtctgt ccgtccattt gtgttttctg cgtcgtgtca ttggatataa 3720
tcctcagaaa taatgcacac tagcctctga caaccatgaa gcaaaaatcc gttacatgtg 3780
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<210> 1901

<211> 175

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (95)

<223> n equals a,t,g, or c

<400> 1901

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ccaaacatct actacaagg atgagggctc ctctnacgtg gctatcctga atccagccct 120
tcttgggggtg ctctccagt ttaaattcct ggtttraggg acamctstaa catct 175

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<210> 1902

<211> 1807

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

1186

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1184)

<223> n equals a,t,g, or c

<400> 1902

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cgcacgaagt cggaccgtcc tgcgcgccgc ctaagtccag gcttgcccgt ctgctgccag 120
gcaacaacgc ccctagtctc tccgttcggg aagacgcgtg gccctgcctg ccaccaccg 180
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<212> DNA

<213> Homo sapiens

<400> 1903

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1187

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<210> 1904

<211> 4039

<212> DNA

<213> Homo sapiens

<400> 1904

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1188

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1189

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<210> 1905

<211> 3989

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (627)

<223> n equals a,t,g, or c

<400> 1905

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1190

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<211> 2629

<212> DNA

<213> Homo sapiens

<220>

1191

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<222> (35)

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<400> 1906

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<210> 1907

1192

<211> 1551

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (676)

<223> n equals a,t,g, or c

<400> 1907

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agaagggcag acccattctc aaagaccacc atgtccaagg tctgacagct cccactggc 180
tgccccaca ggggcttttag gctggctctg gtcattggga agcgtccctc ttatcgctgg 240
tctgtgttct cctggatttg gkatctatgt tggtagcact cctggccttt tatctaaagg 300
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attaacagct gcctgaattg tcattttcca ttttggtttg ttagagggtgg gaggggtggg 480
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ttttttcata gatgttctgc cacacaaaga acttggggtg taaggataag gcaaaagctc 600
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aaaggtcacc caaatcccta tgatgaaatt ttaaattaat gggcaccttt caacatcatt 1440
tgcttcctta tctacagttg attcagaaat ctgcattttt tattctttta tatgactttt 1500
aagtaaaaaga tttatatgga wttaaaaaaa aaaaaaaaaa aaaataacgt t 1551

```

<210> 1908

<211> 468

<212> DNA

<213> Homo sapiens

<400> 1908

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ggcaaaactg ggggagattg ttttgctgga ggccctgggt ctgggagaag gggggctgat 60
tcctctgaaa ttgctagaag agacacaggt gaggcctaac ttgggctttc cgctaccgtc 120
ctgcaggcat tattgtcatg gcaactgctg gcatgttcaa tgtgcaccgt catggggcca 180
ttaactcagc agccatcttg ttgtatgccc tgacctgctg catctctggc tacgtgtcca 240
gccacttcta ccggcagatt ggaggcgagc gttgggtgtg ggaacatcat tctcaccacc 300
agtctcttct ctgggtgagga ctttcctttc cctgggtggg ctttctggat taggaatgaa 360
gaacacattg tgggctgggt cacagtgggt tcacamctgt kaatcctagc acttggggag 420
accgaggscc gaggwttcaa tttgaggccc aaaagttttg aggacaag 468

```

1193

<210> 1909
<211> 1799
<212> DNA
<213> Homo sapiens

<400> 1909
ggcacgagga ttacacgtct gagccaccat gccagccca gaaaaaatt tctatcatct 60
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ctccacatct atgtacaatt tctaatacca tttttgctct ggtgctgatg gtttcctgat 180
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tttatttctg gctttgcctt tgtgatatgg tctatcagat gattgataaa atctatctag 300
agtaaggata taagacaaaa taaagatact gtaattaagg ggaaaggag gctagaggac 360
atggctcagt atccccaagt cttttattta ggatattggg tcagctactt ctgacttgac 420
ttaaacagtg acaaaataac aatggcttaa acaagatagt ttatttctct tcatgtaaaa 480
atttgaatga caatttagtg aaggtgacaa gggcccacgc ttctgctaag gtccaggcat 540
tcctagagtg gtatatgata gatcatatgg tataagctag atcacttcca tagccacaga 600
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ttttagagca caatccagaa gttgaattcc tatcttagtc acattaaatt ggctagagta 720
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cagccatgtg tccaggtaaa aattctgtta ttagggaaga aagagagaat gaatattggg 840
aaacactttc aagactccca caccaaagta ctacctaaat attttattct tcctatgttt 900
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gcacctgtta cggtttctgg aagcagttaa taaaaagtaa ttaaaagtat ctcagctcaa 1680
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atagaaaactg tttcattaag taataaagtt tgaaacaatg gaaaaaaaaa aaaaaaaaaa 1799

<210> 1910
<211> 1267
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (11)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)

1194

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1244)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1252)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1264)

<223> n equals a,t,g, or c

<400> 1910

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tgagtaacga aagaggcttt gaaaatgtag aactgggagt cataggaaaa aagaagaaag 180
tcccaaggag agtcatccac tttgttagtg gtgaaacaat ggaagaatat agcacagatg 240
aagacgaagt tgatggcctg gagaagaaag atgttttgcc tactgttgat ccgacaaaac 300
ttacctgggg tccctactta tggttttaca tgcttcgggc tgctacatca actctctcag 360
tgtgtgactt ccttgagag aagattgcat ctgttttggg tatcagcacc ccaaagtacc 420
aatatgccat tgatgaatat tatcgatga agaaggagga agaagaagaa gaagaagaaa 480
acaggatgtc tgaagaagca gaaaaacaat atcaacagaa taaattgcag actgattcca 540
ttgttcagac agatcaacca gagacagtga tatccagctc atttgtgaat gtcaattttg 600
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cataaaatga aatgactatc aagcttcaaa ctcttaagtt tttttttttt aatacaaaaa 720
ctttcacatt ctttattcag tgggacttaa tacaattatt tatattttta attattaaag 780
tatctggaaa gggaaaatgt tttcttcatt tttaggatct atctagcaaa agccagatct 840
gaaattcaga tatttgtact gtttttactg tgtatagaaa ttagtgcttt ggtttttaaa 900
tgatctttta aaaaagttaa ggacatccta gagccttaat agttaagaag agttaatta 960
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ggaattgata attccatagt cttagattaa aatgaggata ttttctccta gattttctca 1080
tgttatgcca tgcatttata tatctaacca ttaatttcac actaaggatg cttcaccata 1140
taataaaaagg agcaagatgg aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1200
aaaaggggcg gacgcgtggg tccgaccgag gaattcccg atcngtcact gncgggctga 1260
cttntct 1267
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<210> 1911

<211> 554

<212> DNA

<213> Homo sapiens

1195

<220>
 <221> misc feature
 <222> (438)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (543)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (547)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (551)
 <223> n equals a,t,g, or c

<400> 1911
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 cggcggcggc gcccgcgggc aggaataact caagtcacct gtactggaaa tcagtttgct 120
 gaaattaatc aacgattctt gaagttgaag aaaagttggt ctctctacag gaggttccag 180
 ccttgsaaga ggagtgtggc ccttcctgga atccctctgg acacaccctc ctagcatcct 240
 ctaggaaaga tgcggcakcs aaagggaagc ccaagaagga gacctccaag gacaagaagg 300
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 tggccgtggt cgtgctcttg atcgtggtgt ttgtgtacgt ggccacgcgc cccaccatca 420
 ccgagtgcag cccgcacncc gtcgcggacc ccacggcag ggagaggaat gctcgggagg 480
 gggacgcaaa caaaaaatgg cttttatatt cagagatggt catgttgctg aactgttaag 540
 cangaancac nctg 554

<210> 1912
 <211> 1718
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (5)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (11)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (31)
 <223> n equals a,t,g, or c

1196

<400> 1912

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gcagtaacct gaagctttca ccgtagacgt gctgtattgc ccagaagcca tcrtgtsct 120
ggtcggsctc ctgcggagggc tggctgcctg ctgggagcac cagcgggctc ctgaggtcta 180
crtggccttt acygtccgca acccagagac gtgccagstg ttcaccaccg agctaggcyg 240
ggctgggatac agatgggaag cggaagctca tcatgaccag aaactgtttc cctayggaga 300
gcacttggag atggcaatgc tgaacctcac actgtaggac tcacacacga ctccaacggg 360
attgtgagaa tcaagtcact ctcatgggaa gaatttttat atgggaaagc ggataaaaact 420
ttcattggac tggaaatgtt ggagaatgtt aawttccaaa tcaggaacca caaactgccc 480
tctaataaga catcggtat ctaagcgtgt gggtgcccc tttctgccag cagttctggt 540
tcttaagaaa atcaccataa atcagacatg aaaaattctgg ctccaaaaay agcattttct 600
ttgtgcaaat aaaaacgtgt gtatcaagta tgatgttccc ccaacgtgga cacactcagt 660
tcctcaaaa gccaaagccc ctgcagctgc cacatccctg ggcttacggt gcagcaggtg 720
cttttttcaa gacaggaatc aaaatgttag gaacacggca gaaaggggac acctggagac 780
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gaaagtttga gaaaagcatc tgcaaaaaaa taaagagcag agcttamctc attkcctgtc 1260
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ttggsctctg gccaaagccc acccatctgt gggtaacaag ggggtgtsgg tgttcttttc 1560
agccttgcta aactstctga atcaaggatc aaaaactaca cctgcaggcc aaatccagcc 1620
cacagcctgt gtttgtaaat aaagctttat tggaasaaag ccaaaaaaaa aaaaaaaaag 1680
gggggcgctc taaaagatcc tccaaggggc aagcttta 1718

```

<210> 1913

<211> 1975

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<400> 1913

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actctctnca ggttgaaaag cctctttatc catttaatcc tctctggccc tcttccccct 60
mcwgcgtgga tgcaactaga gagacaaatc gcctaggaag actgatcaat cacagcaaat 120
gtgggaactg ccaaaccaaa ctgcacgaca tcgacggcgt acctcacctc atcctcatcg 180
cctcccgaga catcgcggtc ggggaggagc tctgtatga ctatggggac cgcagcaagg 240
cttccattga agcccaccg tggctgaagc attaacgggt gggccccgtg ccctccccgc 300
cccactttcc ctcttcaaaa ggacaaaagt ccctcaaagg gaattgaatt ttttttttac 360
acacttaatc ttagcggatt acttcagatg tttttaaaaa gtatattaag atgccttttc 420
actgtagtat ttaaataatc gttacaggtt tccaaggtgg acttgaacag atggccttat 480

```


1197

```

attaccaaaa cttttatatt ctagttgttt ttgtactttt tttgcataca agccgaacgt 540
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atgaactagg aagccagggtg agtctccttt ctccagtggg agagccggga ccttccccct 660
gcacccccga catccaggga cggggtgtga ggaagacgct gcctcccaat ggcctggacg 720
ggatgtttcc aagctcttgt tcccctaacg tctcaacagg cgctcactga agtgatgaa 780
tattttttta aaagggtttt gcagtaagct agtcttcccc tctgctttct cgaaagctta 840
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cacactgtcc cttcagtcca gggggccggg gctcaggagc catgacctgg tgtctcctgc 1620
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cacccccgc tagcctggtc agtggtcagc aaattggaag aggatccgat gggagtgtaa 1800
atgtgagaca caatgtcttg attatacctg tttgtggttt agctttgtat ttaaayaagg 1860
aaataaactt gaaaattatt tgtcatcata aaaatgaaac aaattaaaat atttattgcc 1920
aggcaaaaaa aaaaaaaaaa aagttttggc ccatagttag tcctttacaa gtcga 1975

```

<210> 1914

<211> 508

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (463)

<223> n equals a,t,g, or c

<400> 1914

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gtacaagatg acggagccgg gcgcctctcc cgaggaccct tgggtcaagg tggagtatgc 60
ctacagcgac aacagcctgg accccgggct tttttagaa agcaccgcga aggggagtgt 120
agtgtccaga gctaatagca tcggttccac cagtgcctct tctgtcccca acacagatga 180
tgaggacagt gattaccacc aggaggccta caaggagtcc taaaaagacc ggcggcggcg 240
cgcacacact caggctgagc agaagaggag ggacgccatc aagagaggct atgatgacct 300
tcagaccatc gtccccactt gccagcagca ggacttctcc attggctccc aaaagctcag 360
caaagccatc gttctacaaa agaccattga ctacattcag tttttgcaca aggagaagaa 420
aaagcaggag gaggaggtgt cacgttacgc aaggatgtac cgnccataag atcatgaaag 480
tgaactatga rcagattgtg aaggcaca 508

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<210> 1915

<211> 2885

<212> DNA

<213> Homo sapiens

1198

<400> 1915

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cggctgccga gcgcggcggg gcctccgcgg tctgctcatg gcgcacagcc agcggtgct 120
cttccgaatc gggtagagcc tgtacacccg cacctggctc gggtagctct tctaccgaca 180
gcagctgctc agggctcggg atcgctaccc taaaggccac tcgaaaaccc agccccgcct 240
cttcaatgga gtgaaggtgc ttcccatccc tgtcctctcg gacaactaca gctacctcat 300
catcgacacc caggcccagc tggctgtggc tgtggaccct tcagaccctc gggctgtgca 360
rgcttccatt gaaaagraag gggtcacctt ggtcgccaty ctgktactc acaaractg 420
ggamcacart ggarggaacc gtgamctcar ccggggggcac cgggactgtc ggggtgtacg 480
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1199

<210> 1916
 <211> 3008
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (2235)
 <223> n equals a,t,g, or c

<400> 1916
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 aaaactctcc atacagtgc acctcagtg attagamcgc tgctattctg tctactgcaa 360
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 ggsttcatga tctttcactc accatattgt aaactgggtc agaaatctct agctcggatg 480
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1200

```

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ctcgtgcc                                     3008

```

<210> 1917

<211> 558

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (514)

<223> n equals a,t,g, or c

<400> 1917

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gcggttgcta tcgcttcgca gaacctactc aggcagccag ctgagaagag ttgagggaaa 120
gtgctgctgc tgggtctgca gacgcgatgg ataacgtgca gccgaaaata aaacatcgcc 180
ccttctgctt cagtgtgaaa ggccacgtga agatgctgcy gctggatatt atcaactcac 240
tggtacaac agtattcatg ctcatcgat ctgtgttggc actgatacca gaaaccacaa 300
cattgacagt tgggtggagg gtgtttgcac ttgtgacagc agtatgctgt cttgccgacg 360
gggccccttat ttaccggaag cttctgttca atcccagcgg tccttaccag aaaaagcctg 420
tgcataaaaa aaaagaagtt ttgtaatttt atattacttt ttagtttgat actaagtatt 480
aaacatattt ctgtattctt ccaaaaaaaaa aaanaaactg gagggggggc cgtacccaat 540
cgccgtatat gatcgtaa                                     558

```

<210> 1918

<211> 1819

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1763)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1778)

<223> n equals a,t,g, or c

<220>

1201

<221> misc feature

<222> (1797)

<223> n equals a,t,g, or c

<400> 1918

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catctcctcc tgaactctga gaagatgtca aaatccacag gcaacttcct cactttgacc 180
caagctattg acaaattttc agcagatgga atgcgttttg ctctggctga tgctgggtgac 240
actgtagaag atgccaactt tgtggaagcc atggcagatg caggtattct ccgtctgtac 300
acctgggtag agtgggtgaa agaaatgggt gccaaactggg acagcctaag aagtgggtcct 360
gccagcactt tcaatgatag agtttttgcc agtgaattga atgcaggaat tataaaaaaca 420
gatcaaaact atgaaaagat gatgttttaa gaagctttga aaacagggtt ttttgagttt 480
caggccgcaa aagataagta ccgtgaattg gctgtggaag ggatgcacag agaacttgtg 540
ttccggttta ttgaagttca gacacttctc ctgcctccat tctgtccaca tttgtgtgag 600
cacatctgga cactcctggg aaagcctgac tcaattatga atgcttcag gcctgtggca 660
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cttagactac gactcaagaa ctatatgatg ccagctaaag ggaagaagac tgacaaacaa 780
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gttaattttg ggcttgggc 1819
```

<210> 1919

<211> 577

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (526)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (554)

<223> n equals a,t,g, or c

1202

<400> 1919

```

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ggagctcgag ctccagggctg tccccgctcg tgaagataaa cgtctgctgg cgggccccgg 180
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ttcttgcaaa acttattgtc cttgtcttca tttagcaaca gtggttaagta gttggaaacc 360
aagtatttat gtaagacaca catcacatgg tgatactcac atttatgtag aagtttattg 420
tttgaagttg ctttgtggcc atactttatt gtagtttkgg gatacagcta atgagtattt 480
ggsttttatt ctgattttat agtctgatta tttgggtcaa atcggnttag taggttaa 540
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```

<210> 1920

<211> 2115

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (101)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (240)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1342)

<223> n equals a,t,g, or c

<400> 1920

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caaaatcaaa gatgcggctg gtttcctgtt ccagccaacg gttgtggctt aggggtgtaa 180
accatttcat tccttttatc ctcatcttag cggcgcttag ccatcatttc gtcgaccan 240
gcgtccgatt aacactaaga tactctgatt tttagccraa ctaaacaaag tgcttctact 300
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attgccatt cgtagtggtt gtaatgccag gtggaatggt ttcaacaagt cagggtgaaa 480
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atctcaaatt catctcatgc cagtaaatgt ggcaaagaga agaaaggccc aagagcgaga 600
caagaagaat ggagaagggg gcagccaaga agaacttctg ggttcagggt actgtttatt 660
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gaaaggtgaa gagcaggaat tctctcttcc aaatcctaga gcataaacc atgtgtggcc 900
aagtgagatc agccctcaag ggcacatgcc aagggcagag cagcccatgt agacagcttc 960
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1203

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aaaaaaaaagg cggcc 2115

```

<210> 1921

<211> 3953

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (618)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (626)

<223> n equals a,t,g, or c

<400> 1921

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agaagcccgt cgcccccaac aattcagagc aagcggcaga cgccttcacc gagactggcg 300
ctgtctaccc gctacagccc tgatgagatg aacaacagtc ccaacttcga agaaaagaag 360
aagttcctga ccatcttcaa cctgaccac atcagcgctg agaagaggaa agacaaagag 420
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```

1204

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1205

<210> 1922
<211> 1992
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1955)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1989)
<223> n equals a,t,g, or c

<400> 1922
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1206

<210> 1923

<211> 725

<212> DNA

<213> Homo sapiens

<400> 1923

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<210> 1924

<211> 2227

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (289)

<223> n equals a,t,g, or c

<400> 1924

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1207

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<210> 1925

<211> 3911

<212> DNA

<213> Homo sapiens

<400> 1925

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1208

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cattccaaaa a 3911

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<210> 1926

<211> 1041

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

1209

<400> 1926

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<210> 1927

<211> 2310

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2297)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2305)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2309)

<223> n equals a,t,g, or c

<400> 1927

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aacacacaat tctaatttct gttaggcaga atgtctccct accctgatgc cacagccttt 240
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acttgccaga ggctttccct gagagcatta ggttgggcaa aatctgacta aaatttaatt 540
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1210

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actaaatgaa agtgtgtacc ttagagttcc tggccagagt tgactctagg tagtgatgtg 600
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cacagtcact tcacaagttg tctaccgctt gtccaggaag ggttccatca atggtgagca 2040
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cactgcttta aactgcattt ttctaattgg ctaaaccag atggtttctt aggaaatcac 2160
aggcttctga gcacagctgc attaaaacaa aggaagttyt ccttttgaa ttgtcacgaa 2220
ttccatcttg taaaggatat taaatgttgc tttaacctga aaaaaaaaaa aaaaaaagg 2280
sggccggacc caatttnccc taaangggng 2310
```

<210> 1928

<211> 421

<212> DNA

<213> Homo sapiens

<400> 1928

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gtgctgccgc ctcccgctgc cctgcgctc agaggtcccg aaccagccca gccgctgcct 60
cttgccgctc cgccttttga gtgaggagg cgcagccgc gtcagaactt agagggccag 120
gcagggtcgc gcgcatggcc tgggcgggct cgcggcggtt cccagctggg acgcgcgagg 180
cagccgagcg ctgctgccgg ctctcgtca gccggggcgc gcaaccggcc cgcgccaggc 240
cctctgcacc gccgcgacca atgaggtttc tgacctctg carcctctc ttgcctcggg 300
ctgcccagat cttggcggst gargctggct taccttcgas ccgttctty atgggatttg 360
ctgctccctt caccaacaag cgaaaggctt actcggagcg tagaatcatg ggggtactca 420
t 421
```

<210> 1929

<211> 1283

<212> DNA

<213> Homo sapiens

1211

<400> 1929

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gcacggcgca gtgaatacaa gaaaggggca ctattttaac acaacctttt cccgtgatca 60
ccaccgaaaa ttactgacga gtcaatcacc tcagatctct caagcagtcc agcctacgca 120
acagtactcc acctctgctc ctgtgcgggg agggtaaggc ggggccagca acttcctcag 180
ctggaggagg agcgcacggg ggagccgcca gttgagaagg actctgatcc ggctcagctt 240
tccaatcagc tgcggaagga gccacgcttt cgggggttgc aagatggcgg ccaccagtgg 300
aactgatgag ccggtttccg gggagttagt gtctgtggca catgcgcttt ctctcccagc 360
agagtcgtat ggcaacgatc ctgacattga gatggcttgg gccatgagag caatgcagca 420
tgctgaagtc tattacaagc tgatttcac agttgaccca cagttcctga aactcaccaa 480
agtagatgac caaattttact ctgagttccg gaaaaatttt gagaccctta ggatagatgt 540
gttggaacca gaagaactca agtcagaatc agccaaagag aagtggaggc cattctgctt 600
gaagtttaat gggattgttg aagacttcaa ctatggtact ttgctgcgac tagattgttc 660
tcagggtctac actgaggaaa acaccatctt tgccccagg atacaattct ttgccattga 720
aattgctcgg aaccgggaag gctataacaa agctgtttat atcagtgttc aggacaaaga 780
aggagagaaa ggagtcaaca atggaggaga aaaaagagct gacagtggag aagaagagaa 840
caccaagaat ggaggagaga aaggagctga tagtggagaa gaaaaagagg aaggaatcaa 900
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tcctggtata ctgtttcttg gctgacacta ctggtcaagt aagaaatttg taaataaatt 1260
tcttttggtt cttattatct aaa                                     1283

```

<210> 1930

<211> 762

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (512)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (597)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (649)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (667)

<223> n equals a,t,g, or c

<400> 1930

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gaatgatcag tatacaagat acagtatttt ctagaaaaac tgtctctgat tctggacaaa 60

```

1212

```

gctcagttat agttacgaga aagatatggt acagggagga aaatactgcc tttttttttt 120
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tagaacaagt tttcaaagca taaaaagagg ttgagagaaa taacatattt attgattcac 240
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aattcatttg tctttttcag tatagttttt gtaaggcaa atgtcttccc ttaatatcca 480
aatattgcta ataaacggta gaagatgctt tnggaaatta aaattatctc gctgktggtt 540
agacttaaca ctgktaatct tyagccaaat atcacatatg gatcaaatta ttttctnttt 600
tgttgtttac ctatcctcaa caacattttt agtttaaatt attgtaaana tttttttgtg 660
ggtggttnatt tttatttgct ccaaaataat aaggtgcaaa ctattttatg cttactgtt 720
gctctgtcaa aacactatgc atggattgca tttgaaaaaa aa 762

```

<210> 1931

<211> 1633

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1605)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1606)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1618)

<223> n equals a,t,g, or c

<400> 1931

```

tgctctnat tttaggctga ggccgtccaa agcggccatg ccccatgttt ccactagatg 60
gcgctgacac ttcaggcatc aaccctcatg gcctctcagc cttgcaaagg cagccactta 120
aagtcggtgt cctgtgtggg gcaccaagct gagctgcaga caccagtag gcgcgaggca 180
aatgcgtccc attttaagag gcttgtattt atgagctctt tgettccctcc ctcccactaw 240
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gtgaaacctc caaggatatt ccagtcattt tgcattccaa ctggcatctt tacggagagc 360
ggctctcatat gctattgttg ttaacgtgga ctagtattta tgtgttgaga acactggctg 420
tttgtmagga aaagtgtgcc aaaacaaaga gtacggccgg ccctggaaat gcatcagcaa 480
aaccattttc ccccgctgcac tcattctgag ctctcttctc tcatttctgt cattactgct 540
gagaactgga ctgtgcccag ctgacctttc ccttcttctg cctcatcttg ctgccagggt 600
ctgcagggtt gccaccgtcc cggccccagt ctgaaacatg ggattatttc agaattggag 660
gtggcagctt cagaaaaaaa tccttctcgt gtgttgactg ctgagatcca ggaactggga 720

```


1213

```
aatcaacccc cagttttag attgctctct ttggaaattc tgtggcccaa cctcgtggct 780
gttttctgga attccttcta tcggggcaga cagtgcgtgt cctttcttga cttcaggatg 840
ttccaaggat gctgctggat ctgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtgtgc 900
gtgcgtgctg gtatgtgctg ctgaccctga tttctgcaac ctccagattt ctttcttgac 960
ccttcaaagt ggaacagtcc agtgccaaaa atttttagagt ttgagaaggt cacagaaatc 1020
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tccccatgag acaagactga tggaaagggg ggtggggcaa cactgcttaa tggatgcctt 1500
ttcacatcat ttcagttttt agccctcatg actgtatttt ctaatcagag acaataacat 1560
tttaataaaa acaacgacaa agaaaaaaaa aaaaaaaagg gggcnncctt caaaggancc 1620
aacctttctt acg 1633
```

<210> 1932

<211> 1126

<212> DNA

<213> Homo sapiens

<400> 1932

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ttcgttttag tcggctggaa attatgtcct ccgtcggttt tccgcagttt tccaccaag 60
cgagatattt ttgggagtta ttccctaaat aactgcatta tatgtcctt tcatgacgaa 120
attgctgccg tggagaagac tggaggaaac tcgaggaaga gggagaagcc gacaagtgtc 180
cgacgggcta ggaactgtcc tgcttgggtg ttagegtttt ccgycggggt agtaaggctg 240
agtascggc cgtggctact aggagaagga cgtacgggtc tgctagtaga ggaatatgtc 300
gagtttctct agggcgcccc agcaatgggc cacttttgtt agaatatggt atctcttaga 360
tgggaaaatg cagccacctg gcaaacttgc tgctatggca tctataagac ttcagggtat 420
acataaacct gtgtaccatg cactgagtga ctgtggggat catgttgtta taatgaacac 480
aagacacatt gcattttctg gaaacaaatg ggaacaaaaa gtatactctt cgcatactgg 540
ctaccagggt ggatttagac aagtaacagc tgctcagctt cacctgaggg atccagtggc 600
aattgtaaaa ctagctattt atggcatgct gccaaaaaac cttcacagaa gaacaatgat 660
ggaaagggtg catctttttt cagatgagta tattccagaa gatattctta agaatttagt 720
agaggagctt cctcaaccac gaaaaatacc taaacgtcta gatgagtaca cacaagaaga 780
aatagacgcc ttccaagat tgtggactcc acctgaagat tatcggtat aagagaataa 840
gaattgcaga aaataacagt gaagtgattg aaactttctt ctgatgagtt tctctaacct 900
acaggatgga gtaaaacaac tgctacagtt cagcacctgt tttatgtgcc gaatcactgt 960
ggggaaaggt caggaagggt tagtccttca ataggaaatt gtaattaaaa tataatttta 1020
tagaaccatt tttatgtaat ctgatttgaa tgttatagtt gataataata aaatcactta 1080
cttggttgac tatttagtgt tgcatttaat gataaaaaac agacctt 1126
```

<210> 1933

<211> 1797

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (378)

1214

<223> n equals a,t,g, or c

<400> 1933

attctcaaaa	gagtattaca	ggcgtgacac	cactcttggc	ccagcctgtg	ggttttgatg	60
gggatgtcct	ggctgctgtc	ttggaggcac	agtgtctccc	catgtgtgtg	tttcttggcc	120
cagagtgact	cccagtatcc	ctagtccttc	cccacaggat	agtcacatcc	attatttact	180
tttggtgtca	gctgggaggg	gaaactgaag	cctggacacg	tctccccaag	ggctcagtgt	240
tcatgggtgt	gtaagatcca	ttgactggac	cccagaaagc	accctgaggg	gcagtgcaga	300
gagagcccg	gaagcccctc	cactagagga	ggcccttggg	ctggctgagg	accacgtcac	360
cctgggcctc	cagsetgnct	tttcacatta	aaggcggggc	agtctcctct	caaaggagtt	420
ctcccttgag	cacttttggc	tctggggcag	agttgggcta	ggagatctgg	gtgaatcctt	480
tagtcacagc	tagtctcatg	ttcctcttct	gtcaaagggg	tcatggcccc	agtggtgcct	540
acctcagagt	tgtcagggtc	aaagtaacag	gcactgggac	aaatatgaag	cctagctttg	600
tgcttccttt	caaattcagg	gcctcctttc	tactccattc	cagccttttt	ttcctgtcag	660
aatccctcag	gaaggacctt	tatcttctgg	agtgagtggc	agttccactg	ggttcagtga	720
aagagtgcgc	catggggctc	tgttccccag	gagtcctttg	tattttggtg	aacaaattct	780
taccaaagca	tgagattcgg	actgtagaag	ttcagactgc	ctcagttcag	actgcctcat	840
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ttgtttttta	ccgccttgct	tggcactgtg	accacgcttc	agggctgctt	ctgggggtct	1020
tggtccctgg	atgtgccatt	tccttgccct	tctgaccctc	acacttcttc	caaagtcttg	1080
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gagacgggct	gtcagcaaga	gctcagacag	gatgtggtgc	aagtgcaggt	gcacgagttt	1320
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gccgactttc	tgggcttggg	tggctaattc	caaagtcccc	tgcttaaata	tcacaagggtg	1440
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gagtttgcct	agcactcaga	cctgtttaag	taacgttctt	tacattgaaa	caagtcaacc	1560
gaagctttgt	ggtgcaggag	ctgagggtgc	cccagactca	gtgggagccc	tggttggggc	1620
ccaaactctc	ccagcagggg	cctcggtttc	ctcattttgtg	aaataaatga	gtggggccacg	1680
acgttaataa	gcccagagaa	actgtgaagg	tggtagtccc	ttgccctaata	tggtgtctcaa	1740
taaagtgtgt	ggcataaacg	aaaaaaaaaa	aaaaaaaaaa	aaaaaaaaaa	aaaaaaa	1797

<210> 1934

<211> 337

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (315)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (332)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1215

<222> (335)

<223> n equals a,t,g, or c

<400> 1934

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ccacgcgtcc gcacattagc aacaatgtac attaatTTTtg gatTTTcatt ttcattgttt 120
atTTTgtaaa tattatctga tGTTTggagc ttgagtatac agactgtaaa tatagtTctt 180
gtatttgtac taattctgat tctTTTgctg tatagcctta gatgtgcaat gcagacacta 240
tctaactgtg tgtggtaacc ttgcgtcacg gagctgttag tgaacgaggt aaaaataata 300
aaggtacagc cagtngcatc aaaaaaaaaa anaanaa 337
```

<210> 1935

<211> 1330

<212> DNA

<213> Homo sapiens

<400> 1935

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gctgcgctcg gctgagtcag tcagtctgtc ggagtctgtc ctcgagagcag gcggagtaaa 60
gggacttgag cgagccagtt gccggattat tctatttccc ctccctctct cccgccccgt 120
atctcttttc acccttctcc caccctcgct cgcgtagcca tggcggagcg tcggcgcca 180
ctcagtccca ttccatctcc tcgtcgtcct tcggagccga gccgtccgcg cccggcggcg 240
gcggggagccc aggagcctgc cccgccctgg ggacgaagag ctgcagctcc tectgtgcgg 300
tgcacgatct gatTTTctgg agagatgtga agaagactgg gTTTgtcttTt ggcaccacgc 360
tgatcatgct gctTTTccctg gcagctTTtca gtgtcatcag tgtggTTtct tacctcatcc 420
tggctcttct ctctgtcacc atcagcttca ggatctacaa gtccgtcatc caagctgtac 480
agaagtcaga agaaggccat ccattcaaag cctacctgga cgtagacatt actctgtcct 540
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tcattattcg tctctttctg gtagaagatc tggTTgactc cttgaagctg gctgtcttca 660
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ggtccttctg tccagtTTtTc agcactagtc ttactcagct atccattata gTTTTgcctt 1260
taagaagtca tgattaactt atgaaaaaat tatttgggga caggagtgtg ataccttctt 1320
tggtTTTTtTc 1330
```

<210> 1936

<211> 678

<212> DNA

<213> Homo sapiens

<400> 1936

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ccggcaggtg acaacggcaa catggccctg aacggagctg aagtcgacga cttctcctgg 60
gagcccccgga ctgaggcggg gacgaagggt ctgcaggcgc gacgggagcg gcaagatcgc 120
atctcccggc tcatgggcca ctatctgctg cgcggttacc gcatgctggg cgagacgtgt 180
gcggactgcg ggacgatcct cctccaagac aaacagcgga aaatctactg cgtggcttgt 240
```

1216

```

caggaactcg actcagacgt ggataaagat aatcccgcgc tgaatgccca ggctgccctc 300
tcccaagctc gggagcacca gctggcctca gcctcagagc tccccctggg ctctcgacct 360
gogccccagc ccccagtacc tcgtccggag cactgtgagg gagctgcagc aggactcaag 420
gcagcccagg ggccacctgc tcctgctgtg cctccaaata cagatgtcat ggctgcaca 480
cagacagccc tcttgcagaa gctgacctgg gcctctgctg aactgggctc tagcacctcc 540
ctggagacta gcatccagct gtgtggcctt atccgcgcgc gtgcggaggc cctgcgcagc 600
ctgcagcagc tacagcacta agagaagccc ctgagaaaaa ccctctagaa aaacaaaaaa 660
aaaaaaaaaa aaaaaaaaaa

```

<210> 1937

<211> 2428

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2422)

<223> n equals a,t,g, or c

<400> 1937

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ccgccgcccc cgccctgggccc gcgctccccc tctcccgcgc cctccctccc tgcctcaact 60
cctcctcctt ctccatgcct ctgttccctc tgcctctact tgtcctgctc ctgctgctcg 120
aggacgctgg agcccagcaa ggtgatggat gtggacacac tgtactaggc cctgagagtg 180
gaacccttac atccataaac taccacaga cctatcccaa cagcactgtt tgtgaatggg 240
agatccgtgt aaagatggga gagagagttc gcatcaaat tgggtgacttt gacattgaag 300
attctgattc ttgtcacttt aattacttga gaatttataa tgggaattgga gtcagcagaa 360
ctgaaatagg caaatactgt ggtctggggg tgcaaatgaa ccattcaatt gaatcaaaaag 420
gcaatgaaat cacattgctg ttcattgagt gaatccatgt ttctggacgc ggattttttgg 480
cctcatactc tgttatagat aaacaagatc taattacttg tttggacact gcatccaatt 540
ttttggaacc tgagttcagt aagtactgcc cagctgggtg tctgcttccy tttgctgaga 600
tatctggaac aattcctcat ggatatagag attcctcgcc attgtgcatg gctgggtgtgc 660
atgcaggagt agtgtcaaac acgttggggc gccaaatcag tgttgtaatt agtaaaggta 720
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caagtctttt tacattttaag acaagtggat gttatggaac actgggggatg gagtctgggtg 840
tgatcgcgga tcctcaata acagcatcat ctgtgctgga gtggactgac cacacagggc 900
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gaatcctgta cagtgatgat gggcagaaat ggactgtgta cagagagcct ggtgtggagc 1140
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caccaattat tgcacgtttt attagagtga atcctaccca atggcagcag aaaattgcca 1260
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atgtaaccaa agatgtagcg ctggctgcag ttcttgtccc tgtgctggtc atggctctca 1560
ctactctcat tctcatatta gtgtgtgctt ggcactggag aaacagaaaag aaaaaaactg 1620
aaggcaccta tgacttacct tactgggacc gggcaggtaa ctcacgtggg ctttgcattc 1680
catttctatc agagggatgt cgctccccta cagggggcag tagtgaaaaa agagtcattc 1740
tctggcccag gtgaactccc cgacactgtt agaacaatgg cattactctt cagttctcac 1800
catttttacc cttctgcaaa gtctcttgta attcctaagt aatgaaatga aaagtacaaa 1860

```

1217

```

tttcttaaaa caagctctgt tcttttttctt ctggaaaact tgtgtagttt gtcctgtgta 1920
tctgtttctc atgaggagac cggcttttctg tggcccacgt gaacactgag taagaaacaa 1980
aagactgtgg tctccaggac acagtgtgtg tttgtcctct gccatgggta ttcaccaagt 2040
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ctgcaagtga caccaaaggg gccccctac cagttttctca cttcccagtc tctactactgg 2160
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tgccccaggg tagatcttgg aaaatatttt ttgggaaaaa tgtaattaag gccaccctta 2280
aaatagatac tgtatctggc tgtactatac taacagtgat ttgcctgcat gtgtttgata 2340
gagatttcta ccatgtactg cttggtgctg gatagtctat cacagcaara aaaaaaaaaa 2400
aaaaaactcg agggggggcc cngtacct 2428

```

<210> 1938

<211> 922

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (849)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (893)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (909)

<223> n equals a,t,g, or c

<400> 1938

```

gtancngaca gtcacgggtcg gattccccggg tcgacccacg cgteccgggtcc gcagtgacta 60
cactcatggc aggtcccctg tggcggaccg cagcatttgt gcagagacac aggacaggcc 120
tcttggtggg ttctgtgca ggctgtttg gagttccagt ctctgtaccac ctcttcccgg 180
atcccgtggt ccaatggctc taccagtact ggctcaggg ccasccagct ccgctccctc 240
cacagctgca gagcctcttc caagaggtgc tacaggacat aggtgttcct tcaggccatt 300
gctacaagcc cttcaccacc ttcaccttc agcctgtgag tgcaggcttc ccaagactcc 360
ctgctggggc tgtggtgggc atccctgcc gtttcttggg agacctagt atcaacacta 420
accatcccgt ggtcatacat gggcatacag tggamtkgcg gagccagcar gcgcccggct 480
gagagcttcc ctgacctgt cccgtgaagc ccagaagttc gccttggcca ggggaagtgg 540

```

1218

```

gtacctggaa agcagtagca ctgccgtgca cgccctgctg gcccagctt gcctggcagg 600
gacctgggca ctgggcgtgg gtgccaagta caccctgggg ctccatgcag gcccctgaa 660
tttacgggct gccttcagct tgggtggcagc agtggcaggc tttgtggcct acgccttctc 720
ccaggattct ctactcatg ccgtggagtc ctggctggac cgccgcacgg cytccttctc 780
tgcagcctat gcctgtggtg gagtggagtt ctatgagaag cttctgtcgg gcaacctggc 840
cctgcgcant ctctttgggc aaaagaaggg ggagaagctg tatacaccca acngggaaca 900
tcgtcccna gacacttggt cc 922

```

<210> 1939

<211> 756

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<400> 1939

```

tcccnacccc tcttccccct actttgcctt accccctcac ccctcaagac agatgcccc 60
ttgcctttta aaaagtgtga ttttaaccga cgtgtttagg ggttcttggt ctgtgtgaag 120
gcagagacca gagagaagga agtgagccca ctgctctcct gggagcaatg tgggtgagtc 180
caccagaggc cctgctgtgt gtggccaata aattttagtc ttccccagcc ctcgaggcag 240
tgtgtgtgga tgtatgcgtg tggatattta tatatgtacc ctgcactcat gaatgtatga 300
actggaggaa gttactacag tggaaagggt ctttaataaca aggtctacct agcatgaagt 360
atttaacatt ctcccatccc ttaaaaaata tacattttta taaaatgaaa accataataa 420
atgttttgaa tattaaaaaa aataataacc tacagaggaa aattaatgga gacagctatt 480
tgccttgtag tttttccaca attgttgctg ctagtgtgac acatctctag ttcagctctt 540
gcccacggga cactcatcaa ttaggtttta tttttawttc tttcctctac cccagaaac 600
aagcctgtta atttttttcc ttctcctctg gsgactgtgt gatgaaycct tycttgctg 660
atcagggtgc ggataractt gtaaggkggt ttgctgcata cagkgtwagc attgtgaccg 720
ccaataaact tcaatgggtt ctaaaaaaaa aaaaaa 756

```

<210> 1940

<211> 1884

<212> DNA

<213> Homo sapiens

<400> 1940

```

aggctgatta tttactgtct agaatggatg ttaccagctg catctcttac cgaaattttg 60
caagtgtgat gggagactcc cgtttgttga ataagggtga tgcttatatt caggagcatt 120
tgttaciaat ttctgaagag gaggagtttc ttaagcttcc aaggctaaag ttggaggtaa 180
tgcttgaaga taatgtttgc ttgccagca atggcaaat atatacaaag gtaatcaact 240
gggtgcagcg takcatctgg gagaatggag acagtctggw wgwgtgatg gaagagggtc 300
aaacctgtga ctactcagct gatcacaaag tgcttgatgg gaacctacta gatggacagg 360
ctgagggtgt tggcagtgat gatgaccaca ttcagtttgt gcagaaaaag ccaccacgtg 420
agaatggcca taagcagata agtagcagtt caactggatg tctctcttct ccaaatgcta 480
cagtacaaag ccctaagcat gagtggaaaa tcgttgcttc agaaaagact tcaataataa 540
cttacttgtg cctggctgtg ctggatggta tattctgtgt catttttctt catgggagaa 600
acagcccaca gagctcacca acaagtactc caaaactaag taagagttta agctttgaga 660
tgcaacaaga tgagctaata gaaaagccca tgtctcctat gcagtacgca cgatctgggtc 720

```

1219

```

tgggaacagc agagatgaat ggcaaactca tagctgcagg tggctataac agagaggaat 780
gtcttcgaac agtcgaatgc tataatccac atacagatca ctggtccttt cttgctccca 840
tgagaacacc aagagcccgga tttcaaattgg ctgtactcat gggccagctc tatgtggtag 900
gtggatcaaaa tggccactca gatgacctga gttgtggaga gatgtatgat tcaaacatag 960
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agttttaaca aatttaagac cctctcaaac taacaggctt agtgatgtaa ttatggttag 1620
yagaggtaca cttgtgaata aagaggggtgg gtgggtatag atgttgctaa cagcaacaca 1680
aagcttttgc atattgcata ctattaaaca tgctgtacat actttttggg tttattttgga 1740
aaggaatgca aagatgaagg tctgttttgt gtacttttaa gactttgggt attttacttt 1800
ttggaaaaga ataaaccaag aattgattgg gcacatcaaa aaaaaaaaaa aaaaaaaaaa 1860
aaaagggcgg ccgctcaaga gtat                                     1884

```

<210> 1941

<211> 2731

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (42)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1629)

<223> n equals a,t,g, or c

<400> 1941

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aaggcgtctg gagtttaatg ttacttggtg atatgagact tncattcttn caggtggaag 60
atgagctcag ctccccagtg gtggtgttca gatttttcca ggaattacca ggctcagatc 120
cgggtgtttaa agccgtccca gtgcccacaa tgacaccttc aggagtcggc cgggagaggc 180
actcgtgtga cgcgctgaat cgctggctgg gagaacagct gaagcagctg gtgcctgcaa 240
gcggcctcac agtcatggat ctggaagctg agggcacgtg tttgcggttc agccctttga 300
tgaccgcagc agtttttagga actcggggag aggatgtgga tcagctcgta gcctgcatag 360
aaagcaaact gccagtgtctg tgctgtacgc tccagttgcg tgaagagttc aagcaggaag 420
tggaagcaac agcaggtctc ctatatgttg atgaccctaa ctggtctgga ataggggttg 480
tcaggtatga acatgctaata gatgataaga gcagtttgaa atcagatccc gaaggggaaa 540

```

1220

```

acatccatgc tggactcctg aagaagttaa atgaactgga atctgaccta acctttaaaa 600
taggccctga gtataagagc atgaagagct gcctttatgt cggcatggcg agcgacaacg 660
tcgatgctgc tgagctcgtg gagaccattg cggccacagc ccgggagata gaggagaact 720
cgaggcttct ggaaaacatg acagaagtgg ttcggaagg cattcaggaa gctcaagtgg 780
agctgcagaa ggcaagtga gaacggcttc tgggaagggg ggtgttgagg cagatccctg 840
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ttaacttgac agcaggctct ctggagtcca cagaacccat atatgtctac aaagcacaag 960
gtgcaggagt cacgctgcct ccaacgccct cgggcagtcg caccaagcag aggcttccag 1020
gccagaagcc ttttaaaagg tccttgcgag gttcagatgc tttgagtgag accagctcag 1080
tcagtcacat tgaagactta gaaaagggtg agcgccctatc cagtgggccc gagcagatca 1140
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gttaaaatct gaaaacaagt acccctttga cctgtctccc actgaagctt ctactgccct 2160
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ggaagcccta gttatagtat attaagccta taattatact ctgatttgat gggatttttg 2460
acattttacac ttgtcaaaat gcaggggggt ttttttggtg cagatgatta aacagtcttc 2520
cctatttggg gcaatgaagt atagcagata aaatggggga ggggtaaatt atcaccttca 2580
agaaaattac atgtttttat atatatttgg aattgttaaa ttggttttgc tgaaacattt 2640
cacccttgag atattatttg aatgttggtt tcaataaagg ttcttgaaat tgttaaaaaa 2700
aaaaaaaaa aaaaaaaaaa aaaaaaaaaa a 2731

```

<210> 1942

<211> 749

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (28)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (239)

1221

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (494)

<223> n equals a,t,g, or c

<400> 1942

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ctggagtaag gtgctgcgga cgacgcgncc tgggaggata aggatgaatt tttagatgtg 60
atctactggt tccgacagat cattgctgtg gtcctgggtg tcatttgggg agttttgcca 120
ttacgagggt tcttggaat agcagggtaa gtcttggtgta tcttatattt tcatggtatc 180
atttcttttt aaatagaggc tttttttcct gttacaggaa aggccattgc tgctctggna 240
gctgtgtgtg tgtgtratga ctaaagcaaaa gaagcagccc tacagtggca ctctgggtc 300
tggtgcacca ctctcagga gcatctcara ttctgcctga tcaatgcagg agtctgtac 360
ctctacttca gcaattacct acagattgat gaggaagawt atggtggcac gtgggagctc 420
acgarggaag ggtttatgac cycttttgcc ttgttcaggt cattggatca tcttttacac 480
tgccatccat tagnactgat ggtgtacagc tccaatgct ccctatccag tccaaaggac 540
cctcttggat tacagcacag gaacttggat cgttggggaa cccagcccct tgggaacttg 600
gaagaccctg gtttccggga ccgcgaatca gtgtgttggg gcatcagtgt tttctgacaa 660
gggttgtgac ctggaaactt tttaaaaacc acccaccttt gggggaagca tttctggaat 720
tatccatcac caaccattct tcttgggat 749
```

<210> 1943

<211> 1222

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1183)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1186)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1216)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1217)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1219)

<223> n equals a,t,g, or c

1222

<400> 1943

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ggcccccttt ggctctgtag agccggcgga accgggtagc ttggccaggt tgtgaggaac 60
cgcagcgcgc cgcaggaccg ggccgctgag cctgcagccg ccccgcgccg tgacctgcga 120
ccctagaccc cgactccctt tggtcagcc cgcgcgcccc agggccggcc cggggcgccg 180
gacgggagga tgagcggcgg gcggcggaag gaggagccgc ctcagccgca gctggccaac 240
ggggccctca aagtctccgt ctggagtaag gtgctgcgga gcgacgcggc ctgggaggat 300
aaggatgaat ttttagatgt gatctactgg ttccgacaga tcattgctgt ggtcctgggt 360
gtcatttggg gagttttgcc attacgaggg ttcttgggaa tagcaggatt ctgcctgata 420
aatgcaggag tcctgtacct ctacttcagc aattacctac agattgatga ggaagaatat 480
ggtggcacgt gggagctcac gaaggaaggg tttatgacct cttttgcctt gttcatggtc 540
at ttggatca tcttttacac tgccatccat tatgactgat ggtgtacagc tcccaagtgc 600
tcctatcca gtccaaagga ccctcttgat tacagcacag gaacttgatc gttggggaac 660
cccagccctt tggaacttgg aagaccctgt tttcctggac cgcgaatcag tgtgttgggc 720
atcagtgttt tctgcaaggg ttgtgacctg aaacttttta aaaaccaccc acctttgggg 780
aagcatttct gaatttatcc atcaccaacc atttcttctt ggataccatc aagtaacagc 840
tattatttgc caagtggagc tgtcatttaa tttgatgcac ctctggattc agatgaaaca 900
ttaaattgtc ttctcagatt ctccatcggg ttagagttt ttaaactatc aatggcattt 960
caagtcttct gaaacagcat ggctgtatgt gcgtgggtcca tagcacagta catgcagcat 1020
ctaataagag tttcctattgt agaattgttt cacatacttg aataaatcaa atctttaatt 1080
gagaaaaaaa aaaaaaaaaa rccggccgct ctagagggat cccaagctta cgtacgcgtg 1140
ccatgccaac ggcataagct tcttttatag ggggcaccta aantcnaatt cactgggccc 1200
cgtttttaca acggcnngna ct 1222
```

<210> 1944

<211> 2786

<212> DNA

<213> Homo sapiens

<400> 1944

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ggtggtcggc ggcggcgccg gcggcgccg cggcacagag ccggtggtgg agccgccgag 60
gaggggtcac cagcacaatg ccagctctgc ccctggacca actccagatc acccacaagg 120
accggaagac aggaaagctg aggacttcac cagcgctgca ccccgagcag aaggcagacc 180
ggtattttgt gttatacaaa ccgcccccta aagacaacat tcccgcccta gtggaggagt 240
acctggaacg cgccaccttc gtagccaatg acctcgactg gtccttgccc ttgcctcacg 300
ataaattctg gtgccagggtg atctttgacg agactctaca gaagtgcctg gactcctacc 360
tgcgctatgt ccccgcaaaa ttcgacgagg ggggtggcctc agcccctgag gttgttgaca 420
tgcagaagcg cctccatcga agtggttttc tcaccttcct ccgcatgtcc actcacaagg 480
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tctttgacat tccaaagatc ctggacctct gcgtgctctt tggaaaaggc aactcaccac 600
tgctccagaa gatgatagga aacatcttta cacagcagcc aagttactac agtgacctgg 660
atgaaaccct gcctaccatc cttcaggctc tcagcaatat cctccagcac tgtggtttgc 720
aaggggacgg ggccaatacc acaccccaga agcttgagga gaggggcccga ttgaccccca 780
gtgacatgcc tctcctggaa ttaaaggaca ttgttctcta cttttgtgat acctgcacca 840
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aagacatcag cttgctgcag caggcctcat cagtcttggc cgagacgcgg actgcctaca 1260
```

1223

```

tcctccaggc agtcgagagt gcatgggaag gggtaggacag acggaaagcc acagatgcta 1320
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aggcagtcag tcaagcatca tcacatccgg agaactcggg ggaagaggag tgcagggag 1440
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tgaaggacct gctgccagac cttggtgagg gcttcatect ggctgcctg gagtactacc 1560
actacgaccc agagcagggtg atcaacaata tcctggagga gcggctggcc cccaccctca 1620
gccagctgga ccgcaaccta gacagagaaa tgaaccaga ccctacaccc ctgctgacgt 1680
ctcgccacaa cgtcttccag aatgacgagt ttgatgtgtt cagcaggagc tcagtagacc 1740
tgagccgggt gcacaagggc aagagcacca ggaaggagga aaacacgcgg agtttgctga 1800
acgacaagcg tgcagtggcg gcacagcggc agcgcctacg gcagtacagc gtggtggtgg 1860
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cagcctcagc tttgcagccc ctgagaaggc cgcctctcat ctaccagcca gccatgagcg 2520
ccttcttgca gaacacacag tgccttatgc cacagccgaa gaatccgtgg ggccggcaag 2580
caggcacctt cccccagctg cgctagcggg aaagagatgg ggatggagtc ccaaggcaag 2640
cgccccaaac ctcgggccac aagacaccac ttccccctta ccctggacag caggaaacct 2700
gtatatccaa aaacacaaaa agtcctgcta ataaaatttt tgaccctttc aaaaaaaaaa 2760
aaaaaaaaaa aaaaaaaaaa aaaaaa 2786

```

<210> 1945

<211> 1483

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1474)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1478)

<223> n equals a,t,g, or c

<400> 1945

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aattcggcac gagccgggct ctaccagag caagaccctg atggctgcgg tgtttctggt 60
aacgctttat gaatactcgc cgcttttcta catecggtg gtctttacct gcttcacgt 120
gaccaccggc ctggtattgg gatggtttgg ttgggatgtt ccagtaattc tgagaaattc 180
agaagagacc cagttcagca caagagtttt caaaaagcaa atgagacaag tcaagaatcc 240
ttttggctta gagatcacta atccatcttc agcttcaatt acaactggca taaccttgac 300
aacagattgc cttgaagata gcctccttac atgctactgg gggtagcagt ttcaaaaatt 360
atatgaagct ctgcagaagc atgtttattg cttcagaata agcactcccc aagcattaga 420
agatgctctg tatagtgaat atctctatca ggaacagtat ttattaaaa aggatagcaa 480

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1224

```

agaagaaata tattgccagt taccaagaga tactaaaatt gaagactttg gtacagtacc 540
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<210> 1946

<211> 1587

<212> DNA

<213> Homo sapiens

<400> 1946

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1225

<210> 1947
 <211> 2007
 <212> DNA
 <213> Homo sapiens

<400> 1947
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<210> 1948
 <211> 1250
 <212> DNA
 <213> Homo sapiens

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1226

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<210> 1949

<211> 2154

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (635)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2150)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2152)

<223> n equals a,t,g, or c

<400> 1949

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1227

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<210> 1950

<211> 652

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (502)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (522)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (525)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (560)

<223> n equals a,t,g, or c

1228

<220>
 <221> misc feature
 <222> (599)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (630)
 <223> n equals a,t,g, or c

<400> 1950
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<210> 1951
 <211> 469
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (448)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (463)
 <223> n equals a,t,g, or c

<400> 1951
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 acagagccaa cccctcccta cagttcangc ctgaagaata tancgggga 469

<210> 1952
 <211> 755
 <212> DNA

1229

<213> Homo sapiens

<220>

<221> misc feature

<222> (648)

<223> n equals a,t,g, or c

<400> 1952

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<210> 1953

<211> 1022

<212> DNA

<213> Homo sapiens

<400> 1953

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aa 1022
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<210> 1954

<211> 1776

<212> DNA

<213> Homo sapiens

1230

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (21)
<223> n equals a,t,g, or c

<400> 1954
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<210> 1955
<211> 1129
<212> DNA

1231

<213> Homo sapiens

<400> 1955

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<210> 1956

<211> 279

<212> DNA

<213> Homo sapiens

<400> 1956

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<210> 1957

<211> 923

<212> DNA

<213> Homo sapiens

<400> 1957

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1232

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<210> 1958

<211> 1757

<212> DNA

<213> Homo sapiens

<400> 1958

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<210> 1959

<211> 2856

<212> DNA

<213> Homo sapiens

<400> 1959

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1233

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<210> 1960

<211> 1720

<212> DNA

1234

<213> Homo sapiens

<400> 1960

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<210> 1961

<211> 2854

<212> DNA

<213> Homo sapiens

<400> 1961

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1235

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<210> 1962

<211> 4087

<212> DNA

<213> Homo sapiens

<400> 1962

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1236

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aatgaatcca tttaaaagt ggttaaggat ttgttttagct ggtgtgataa taatttttaa 1920
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gttctgatcg gtcccttca gaaatttttt tatattattc ttcaagttac tttcttattt 2160
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tgaagatgat ttgaagctct aatttatata gtcacctata aaatgttctt tatatgtgtt 3480
cataagtaaa ttttatattg attaaagtaa acttttgaat tgatttgagg agcagtaaaa 3540

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1237

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tgaaagctat atctattcta aaccttattt agacattggt accagttacc caggtgaaaa 3600
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ttcatgaatg ctttaccatt caacatagta tctattacaa aacacctttc ttgtatccat 3780
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taccctgtgc ctcatatttc aatagtactg taatatggac atcttttgtg aaatactttt 3960
atthttgttat gctttaaata tacatacaaa aagatttctg ttattagctt tgaaaattgt 4020
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aaaaaaaaa 4087

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<210> 1963

<211> 801

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (660)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (744)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (762)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (773)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (791)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (801)

<223> n equals a,t,g, or c

<400> 1963

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cggggggtcat cttcttctctg gccctgctgc tgtgcattgc gcttctkctg tctactcca 60
tccacctcct gctgacctgt gctggattg cagggactgg ttcttgaagg gaaacctcct 120
catcatcctc gtcagtgtgt taatcatcct gccctcgcc ctcatgaaac acttgggcta 180
cctgggggtac accagtggtc tctctctgac ctgcatgctg ttttctcttg tttcggtcat 240

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1238

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ctacaagaag ttccaacttg gctgtgctat aggccacaat gaaacagcaa tggagagtga 300
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agttgactca cagatgtect acacagtgcc cattatggct tttgcttttg tctgccaccc 420
tgaggtgctg cccatctata cggagctctg ccgttccacg acctctacac ctcaggccct 480
ccaagcgcag gatgcaggcc gtggccaacg tgtccattgg ggccatgttc tgcattgtatg 540
ggctcacagc aacctttgga tacctcacct tctacagcag tgtgaaggcg gagatgctgc 600
acatgtacag ccagaaggac ccgctcatcc tctgtgtgcg cctggccgtg ctgcttcgcn 660
ggtgacccct cactgtgcca gtcgtgctgg ttcctatccg ccgggccctg gaagcaactg 720
cttttcccag gcaagggcct ttancttggc cacgacattg tnggccatta gcntttgaat 780
ccttgctttg ntttggtca n 801

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<210> 1964

<211> 1626

<212> 'DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1607)

<223> n equals a,t,g, or c

<400> 1964

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cggacgcgtg ggcggacgcg tgggaaaagg tgaacaaatc tttccttcag gtagatgctg 60
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catctgaggt catctcatcc ttaagagaac ttttaggacc agacaggaat gctcatctct 180
ctgtgcccag tagttctctg ggggtggcct gaggtgact tgtctgtagt cactgagttc 240
atttactttt attttctagg ctttatgatg ggaaatggag taaaacaatg gtgggatttg 300
ggcctgagga tgatcatttt gtcgcagaac tgacttaca tttatggcgtc ggagactaca 360
agcttggcaa tgactttatg ggaatcacgc tcgcttctag ccaggctgtc agcaacgcc 420
ggaagctgaa gtggccactg acggaagtgt cagaagggtg ttttgaaacc gagggcccg 480
gaggatataa gttctatttg cagaatcgca gtctgcctca gtcagatcct gtattaaaag 540
taactctagc agtgtctgat cttcaaaagt ccttgaacta ctggtgtaat ctactgggaa 600
tgaaaattta tgaaaaagat gaagaaaagc aaagggcttt gctgggctat gctgataacc 660
aggtagagcaa tcttgagaa gaataacctg ttactttgaa tttggcttgt aaacgaagct 720
tataaatggc ttataacctg tataaatgaa gttaacatga aggttggtcc catagtttct 780
tcacagtgat tcaatattta tatagataaa cagaagaaaa taagtataaa ccttaccacc 840
cagatattac cttgtttata tttggggata tatctcttca gaagtgaat tgcttaatcc 900
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tttgagcacg atttagtcct tgcactttga ccctgcaatt ctactcctag gaattatttt 1020
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ttgtctgtaa tcacaatgtg taagaatttc agtgtcctat agattagaga catatttcag 1140
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tctttatgta ttgacatggg aacattaagt ggagaaaaac aaggaacaga ataatttgta 1260
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aaggggtggg tggaccatgc agcagctttt ggaagaattg ctttctcttg ccccagaaa 1560
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gaactt 1626

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1239

<210> 1965
<211> 590
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (436)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (471)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (547)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (557)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (583)
<223> n equals a,t,g, or c

<400> 1965
tccgcaccgg gactcgggac tcccgggaag tggaccggca gaagaggggg ctagctagct 60
gtctctgctg accagggaga ccccgcgccc ccccggtgt gaggcggcct cacagggccg 120
ggtgggcttg cgagccgacg cggcggcgga ggaggctgtg aggagtgtgt ggaacaggac 180
ccgggacaga ggaaccatgg ctccgcagaa cctgagcacc ttttcctgt tgctgctata 240
cctcatcggg gcggtgattg ccggacgaga tttctataag atcttggggg tgcctcgaag 300
tgcctctata aaggatatta aaaaggccta taggaaacta gccctgcagc ttcacccga 360
ccggaaccct gatgatccac aagcccagga gaaattccag gatctgggtg ctgcttatga 420
ggttcttgtc agatantgag aaacggaaac agtacgatac ttatggtgaa naaggattaa 480
aagatggtca tcagagctcc atggagacat tttttacact tctttgggga tttgggttat 540
gttggaagaa ccctgtngaa gacagaattt ccagaggaat gtntattgaa 590

<210> 1966
<211> 1970
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1)
<223> n equals a,t,g, or c

1240

<220>
<221> misc feature
<222> (81)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1964)
<223> n equals a,t,g, or c

<400> 1966
nggtgaaggg caatcagctg ttgccgtctc actggtgaaa agaaaaacca ccctggcgcc 60
caatacgcaa accgcctctc nccgcgcgtt ggccgattca ttaatgcagc tggcacgaca 120
ggtttcccga ctggaaagcg ggcagtgagc gcaacgcaat taatgtgagt tagctcactc 180
attaggcacc ccaggcttta cactttatgc ttccggctcg tatgttgtgt ggaatttgtga 240
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cacgcgtccg actagttcta gatcgcgatc tagaactagt cccacgcgt ccgcttgaag 420
cacaggtgag ggatcctggc ccacagcctc agccccactc tgctctccca caggtgccaa 480
gaggagtgcc ccttcgggtc cttcgggttc cagtgtcac agcgtgtga ctgccacaat 540
ggggggcagt gttcacccac cacgggtgcc tgcgagtgtg agcctggcta caagggccca 600
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ccctgtgacg ctgacaacac catcagctgc caccagtaa ctggagcttg tacctgccag 720
ccaggctggt ctggtcacca ctgcaatgaa tcctgacctg ttggctacta tggcgatggc 780
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gcaccatgtg gtctgtgccg agtgccaagg gtaaaggcag agaatgctgt gggagtgcag 1680
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caccatccct aatccctccc catatgcttt cctgacttga cctcagaatc cttcacaata 1800
ccgactccaa gaactgctac cactcagcag gagttgaaaa gagatataaa gcttattttgc 1860
attggtgttc caccctacca gctctttgtg ggggaaaaac cctgatctgt aacatctgca 1920
gatttttaaa atataaatat tcctaccaa aaaaaaaaaa aaanaaaaaa 1970

<210> 1967
<211> 1222
<212> DNA
<213> Homo sapiens

1241

<220>
 <221> misc feature
 <222> (1198)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1199)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1219)
 <223> n equals a,t,g, or c

<400> 1967
 gcctgggttc ccascggctt cscagaggt ggaagaaacc cgaracgttc cgaagtcaac 60
 gcaagcaaag gggagtgcgg gtcggggagg aatattcttt tggaaacgta atattggcct 120
 tggggctctc cagccctttg ggacttccaa tgggatctta gaagcagccg aagcagcgtg 180
 agggcggcas ccagggccag ccacgatttg aacgctctgc cttgcagctc ttctggaccg 240
 aggagcccaa agccctaccc tcaccattca ccaggctctg tgggaagagc agcgtggagr 300
 tgggctgagg ttagaagggtg cagagcgtgg aagaagattg tgagctgagt attggacatc 360
 tgttcttgaa tagtccctgg gcctgccata ggaaaggaag ttctccaggg ttacagttct 420
 tatccgcgtg aatacacatg gctctgttac gaaaaattaa tcagggtgctg ctgttccttc 480
 tgatcgtgac cctctgtgtg attctgtata agaaagttca taaggggact gtgcccaga 540
 atgacgcaga tgatgaatcc gagactcctg aagaactgga agaagagatt cctgtggtga 600
 tttgtgctgc agcagggagg atgggtgccca ctatggctgc catcaatagc atctacagca 660
 acactgacgc caacatcttg ttctatgtag tgggactccg gaatactctg actcgaatac 720
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 aaggaccttg gcatcagccc cagcacctgc tctttcaatc ctggtgtgat tgttgcaaca 1140
 tgacagaatg gaagcaccar cgcataacca agcaattgga gaaaggatgc aaaagaanng 1200
 gaggaaaacc tttttgcang tt 1222

<210> 1968
 <211> 1438
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (1)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (7)

1242

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1351)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1389)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1422)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1424)

<223> n equals a,t,g, or c

<400> 1968

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nccccgnctt naggaattcg gcacgagaaa aaagaaaaga aaagaaaaga aaaaaaaagg 60
tgctcaacat tactgatcat cagagaaatg caaatcaaaa ctccagtgag atatcatctc 120
ccttttagtta aaatggctta tatccaaaag gcagaaaata acaaatgcaa ggatgtggag 180
gaaagggaac ccttgtatata tggttggtgta catagtgggt gaaccactat ggagaacaat 240
ttggaagtct ctcaaaaaaa caaaaaaatg agctaccata tgacccagca atcccactgt 300
tgggtatata cccaaaagga aggaaatcag tatattgaag agatacctac actcccatgt 360
ttgttgcagc actgttcaca atagctaaga ttgaaggca acctaagtg ccatcaacag 420
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agagtggagac tgtctcaaaa aaaaagaaaac aaagaaagat aaataaagaa aaagacattg 540
atgaacagta ggtaatcacc tgaagggtaca aaactcactc gtaatagtaa gtatgcaggg 600
aaaaaaagat ttttgtaaca ttgtaactat gtgtgtaatc tactcttata ctaagtagaa 660
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tgttcccttg cctgtactac acctcctgct gtgtggccca gtttctaaca ggccacagac 780
tggtactggt ttgcggcctg ggggttgggg acccctgggt tatcagatag aattgcaagc 840
ctcatggtaa cctcaaacca aaaaacattc aatgaatata caacaaataa aaagcaagaa 900
agtaaattat atcaccagag, aaaatcagct tcacttaagg aagacaggaa ggaaagaagg 960
aaggaagaga agaccacaaa acaaccagaa aacaagtaac aatatggcag gaataagtct 1020
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gataaaaaaa aacaagaccc attgattygy mgcctacaag aactacattt cacctataaa 1140
gacacmcata gactgaaaat aaaggggtat aaaagatact ccatgccaac agaaaccaa 1200
aaagagcagg agttgctata cttacatcag acaaaacaga tttaagaca aaaatctata 1260
agaagagaca aagaagggtca ctatataatg ataaggggtc aatgcagcag aggattayaa 1320
tttaatttat gaccacatga gactgattta ngaatatata gagtagaagg taagtatcat 1380

```

1243

atctggatna tccatgagat gcaattcgcg aatacaagac tngnttttgt gctagata 1438

<210> 1969

<211> 523

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (362)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (471)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (485)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (509)

<223> n equals a,t,g, or c

<400> 1969

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agctcgtgct aaacctcttt tctttataaa ttaccacagtg atgtgggttg gctgtgtccc 60
caccctaaatc tcatcttgaa ttccctacgtg ttgtgggagg gaccacagtgg taggtaattg 120
aatcatggcg gcagggtcttt cccttgctat tctcgtgatc atgaataagt ctcattgagat 180
ctgatgattt taaataactgg agtttccccct gcacaagctc tctctttgcc tgctgccagc 240
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acgtggaact gtaagtccat taaacctctt tttttttata aatggccaag tctcaaatat 360
gnctttatca acagcgtgaa atggactagt accgtaaatt ggtaccaata gaatggggca 420
ctgcttaaaa gatcccgaaa atgtgaaagc gactttggaa ctgggtaata ngcaaaaggt 480
tgcantgaac ttaaaatcat tgccactgna cttcaacctg ggc 523

```

<210> 1970

<211> 775

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2)

1244

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (774)

<223> n equals a,t,g, or c

<400> 1970

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nnnnaytagt tttgcanagc tatttaggtg acactataga aggtacgcct gcaggtaccg 60
gtccggaatt cccgggtcga cccacgcgtc cggaaggctc cagaggctgt gggaagcagc 120
acatcagcga cagctcctgg ctgctggact ccgcagggag ggaaggaaga ttggtcgcaa 180
tgtcccagca gaagtgcac gtgatctttg ccctgggtgtg ctgctttgcc attctggttg 240
cactgatctt ttcagccgtg gacatcatgg gagaggatga ggatggactc tcagaaaaaa 300
attgccaaaa taaatgtcga attgccctgg tggaaaatat tcctgaaggc cttaactatt 360
cagaaaaatgc accatttcac ttatcacttt tccaaggctg gatgaattta ctcaacatgg 420
ccaaaaagtc tggtgacata gtgtcttccc attgggatct caaccacact catccatcag 480
catgtcaggg tcaacgtctt tttgaaaagt tgctccagct gacttcgcaa aatattgaaa 540
tcaagctagt gagtgatgta acagctgatt caaagggtatt agaagccttg aaattaaagg 600
gagccgaggt gacgtacatg aacatgaccg cttacaacaa gggccggctg cagtcctcct 660
tctggatcgt ggacaaacag cacgtgtata tcggcagtg cggtttggac tggcaatccc 720
tgggacaggt acatatactt ctatatagct gtaaatagat gatatggttt gtgnt 775

```

<210> 1971

<211> 1134

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (103)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (113)

<223> n equals a,t,g, or c

1245

<220>
 <221> misc feature
 <222> (114)
 <223> n equals a,t,g, or c

<400> 1971
 gaacaagctg ttactaatgt actggagttt ctgtgcaaac tgtctacat aaaccatgaa 60
 aggattcaaaa gttcatagtt cttcttttgt tccttttgta atnactgact tcnnactagt 120
 gggagggtgcc tcccaagttt gctaattgcat tcttttttga taaggatgac gcacagattg 180
 tcctaataag gacttagatt gagaaagacc gccccctctg agaagagggg acaagtcaga 240
 gagaggggcgg gcagttttctt ttttaactag ggatgacaca agcataagtc atttccttat 300
 taattgggtc aaaccagttc ttacaggaac tagtggtgat aaatgtggga cttctgagaa 360
 gtcattcatt ttattctttg tgccatacca gagtacagta tcagctgagc tgaccttact 420
 ctgaggacta actcttttgc tggaagcggg ttctgattta cagctcttgg tttctcccag 480
 acatgttggg gggagagatt ttgggtttta aggggttggg agatggagta aattttcttt 540
 tttttttttt ttttttttaa ctaaaaaggg gtcacagaat ttcagcagtt ctctgatttt 600
 tatattttat tcctcttcct atccaatccc tgctttttga gtccagggtg taagtacatt 660
 ttctttaacg ttttctctgc ttttcttccc aaatgtgtct ttttctttgg gctactgtac 720
 cctgcttcca gtgctgtccc cggcataggt ccactctctg agaagccatt tcaggagtac 780
 ctggaggctc aacggcagaa gcttcaccac aaaagcgaaa tgggcacacc acaggggagaa 840
 aactggttgt cctggatggt tgaaaagttg gtcgttgtca tgggtgtgta cttcatccta 900
 tctatcatta actccatggc acaaagttat gccaaacgaa tccagcagcg gttgaactca 960
 gaggagaaaa ctataataagt agagaaagtt ttaaactgca gaaattggag tggatgggtt 1020
 ctgccttaaa ttgggaggac tccaagccgg gaaggaaaaat tcccttttcc aacctgtatc 1080
 aatttttaca acttttttcc tgaaagcagt ttagtccata ctttgcaactg acat 1134

<210> 1972
 <211> 451
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (5)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (414)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (447)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (450)
 <223> n equals a,t,g, or c

1246

<220>

<221> misc feature

<222> (451)

<223> n equals a,t,g, or c

<400> 1972

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gcggnttcgt gggctgctct gcactctcag gtattccctg ctcttactcc aaaaagatgg 60
accaggtcc gaaggggcac tgccactgtg gggggcatgg ccatactcca ggtcactgcg 120
ggccaccccc tggccatggc ccagggccct gcggggccacc cccccaccat ggtccagggc 180
cctgcggggc accccctggc catggcccag ggccctgcgg gccaccccc caccatggtc 240
cagggccctg cgggcctccc cctggccatg gcccaggtca cccacccctt ggtccacatc 300
actgaggaag tagaagaaaa caggacacaa gatggcaagc ctgagagaat tgcccagctg 360
acctggaatg aggcctaaac cacaatcttc tcttcctaataaacagcctc ytanaggcca 420
cattctattc tttaaaaaaa aaaaaanaa n 451
```

<210> 1973

<211> 1385

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1303)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1307)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1360)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1382)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1385)

<223> n equals a,t,g, or c

<400> 1973

```
aagagaaaga tgctactgtc tctaattctc ctgtcatttt tatttccagc aggcgcgggg 60
cgaaggagct gctagaacaa tgctgaggcg ggtgaggtga ggagcagccc ctgcgggcag 120
ccccgacaga gtgtctggaa caggtgattg gaggagccgg agaccaggc acctgggcat 180
ccttcccctc gcctctgcc aagccccgcgc ccctaaaagg tgggaaaacc atggcgacca 240
```

1247

```

atttcagtga catcgtcaag caaggctacg tgaagatgaa gagcaggaag ctcgggatct 300
accggaggtg ctggctggtg ttccggaaat cctccagcaa ggggccccag cggctggaga 360
agtatccaga tgagaagtcg gtgtgcctcc ggggctgccc caagggtgact gagatcagca 420
acgtcaagtg tgttacgcgg ctccccaagg agaccaagcg gcaggcggtg gccatcatat 480
tactgatga ctcggcacgt accttcacct gcgactcaga gctagaggca gaggagtgg 540
acaagacact atctgtggag tgtctggggt cccgcctcaa cgacatcagt ctgggagAAC 600
ctgacctcct ggccccaggg gtgcagtgtg aacagacaga tcgcttcaat gtcttcctgc 660
tgccctgccc caacctggac gtgtatggcg agtgcaagct gcagatcacc cagcagaaca 720
tctacctctg ggacatccac aacccccgtg tgaagctcgt ctcgtggsec ctctgctyam 780
tgcgccgcta tggccgggat gccacacgct ttaccttcca ggctggccgg atgtgtgatg 840
ctggggaagg actctatacc ttccagacac aagaggggga gcagatttac cagcgcgctc 900
acagtgccac cctggccatc gcagagcagc acaagcgggt cctgctggaa atggagaaga 960
cgtgaggctg ctgaacaagg gcacggaaca ttactcgtat ccctgcacac ccacgacct 1020
gctgcsgcgc agtgccact ggcaccacat cactggttcc cagaacatcg ccgaagcctc 1080
cagctatgct ggtgagtcgc ttccatgccc cacaccacc tgccaggagg ctttgtggag 1140
gatgaggcct gttgggcagg ggtcttttga cctagctctg agttctgagc ctgcttctgt 1200
gcccacaggt gacgggtatg gggcaagccc aggccagctc ggaaacagac ctctcaacag 1260
attcatcctg ctaaagccaa agcccagcca gggggacaag cantgangcc aagaccccat 1320
cccagtgaca cagtgtggc gagcaccgat gactggtggn ggctgctgct tgcgggctgg 1380
cntcn

```

<210> 1974

<211> 748

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<400> 1974

```

tacgcnccca ggccccggtc cggaattccc gggctgaccc acgcgtccgc tttAACcaga 60
cagctcagac ctgtatggag gctgccagt acaggttagg tttagggcag agaagaagca 120
agaccatggt ggggaagatg tggcctgtgt tgtggacact ctgtgcagtc agggtgaccg 180
tcgatgccat ctctgtggaa actccgcagg acgttcttcg ggcttcgcag ggaaagagt 240
tcacctgccc ctgcacctac cactctcca cctccagtcg agagggactt attcaatggg 300
ataagctcct cctcactcat acggaaaggg ttgtcatctg gccgttttca acaaaaaact 360
acatccatgg tgagctttat aagaatcgcg tcagcatatc caacaatgct gagcagtccg 420
atgcctcatc accattgatc agctgaccat ggctgacaac ggcacctacg agtggtctgt 480
ctcgtgatg tcagacctgg agggcaacac caagtcacgt gtccgcctgt tggctcctgt 540
gccacctcc aaaccagaat gcggcatcga gggagagacc ataattggga acaacatcca 600
gctgacctgc caatcaaagg agggctcacc aacccctcca gtacagctgg aaagargtta 660
caacatcctg aatcargagc agcccctggc ccascacact caggttcaac ctgttctccc 720
ttaaaaaata tctcccacag aacacatc

```

748

<210> 1975

<211> 771

<212> DNA

<213> Homo sapiens

1248

<400> 1975

```
ggccacgagg tacgtcccgg cgctccgctt ggcccaagat ggcggcctcc gtgtgcagcg 60
ggttgctggg gccacgggtg ctgtcctgga gccgagagct gccttgcgct tggcgcgccc 120
tgcacacctc cccggtctgc gccaaagaacc gggcgggccc agtacgcgta agcaaggggg 180
acaagccggg gacctacgag gaggcacacg cgccgcacta catcgccac cgtaaaggct 240
ggctgtcgct gcacacaggt aacctggatg gagaggacca tgccgcagag cgaacgggtg 300
aggatgtttt ccttcgcaag ttcattgtgg gtaccttccc aggctgcctg gctgaccagc 360
tggtttttaa gcgcccgggt aaccagttgg agatctgtgc cgtggtcctg aggcagttgt 420
ctccacacaa gtactacttc ctctgtgggt acagtgaac tttgctgtcc tacttttaca 480
aatgtcctgt gcgactccac ctccaaactg tgccctcaaa ggttgtgtat aagtacctct 540
agaacaatcc ctttttttcc atcaagctgt agcctgcaga gaatggaaac gtgggaaagg 600
aatggtatgt gggggaaatg catccctca gaggactgag gcatagtctc tcactctgcta 660
ttgaataaag accttctatc ttgaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 720
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaagggggg g 771
```

<210> 1976

<211> 1712

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1688)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1692)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1697)

<223> n equals a,t,g, or c

<400> 1976

```
ccgcgcgttg gccgattcat taatcagctg gcacgacagg tttcccgact ggaaagcggg 60
cagtgagcgc aacgcaatta atgtgagtta gctcactcat taggcacccc aggctttaca 120
ctttatgctt ccggctcgta tgttgtgtgg aattgtgagc ggataacaat ttcacacagg 180
aaacagctat gaccatgatt acgccaagct ctaatacgac tcactatagg gaaagctggt 240
acgcctgcag gtaccgggtc ggaattcccg ggtcgacca cgcgccgggt ccctaggaga 300
taagagtatc ttgcacagca ggtgcagggt tcccagcagc tcaggcaaga gtccgatgtt 360
tgtgccatct gatcctgatg tctggagaga tagccatgtg tgagcctgaa tttggcaatg 420
acaaggccag ggagccgagc gtgggtggca ggtggcgagt gtccctggac gaacggtttg 480
tgcagccatg tctggtcgaa ctgctgggct ctgctctctt catcttcac ggggtgcctgt 540
cgggtcattga gaatgggacg gacactgggc tgctgcagcc ggccctggcc cacgggctgg 600
ctttggggct cgtgattgcc acgctgggga atatcagtgg tggacacttc aacctgcgg 660
tgtccctggc agccatgctg atcggaggcc tcaacctggg gatgctcctc ccgtactggg 720
tctcacagct gctcgggggg atgctcgggg ctgccttggc caaggcgggt agtcctgagg 780
agaggttctg gaatgcatct gggggggcct ttgtgacagt ccaggagcag gggcaggtgg 840
caggggcggt ggtggcagag atcatcctga cgacgctgct ggccctggct gtatgcatgg 900
```

1249

```

gtgccatcaa tgagaagaca aagggccctc tggccccgtt ctccatcggc ttgcccgtca 960
ccgtggatat cctggctggg ggccctgtgt ctggaggetg catgaatccc gcccggtgctt 1020
ttggacctgc ggtggtggcc aaccactgga acttccactg gatctactgg ctgggcccac 1080
tcctggctgg cctgcttggt ggactgctca ttaggtgctt cattggagat gggaagacct 1140
gcctcatcct gaaggctcag tgaagcagag ctctgaggat tcctgctgct ccagggtgtcc 1200
tcagctcacc tgtcccagac tgaggacagg ggagttcctg catttcctgc cagggcagag 1260
gcccagagga gcgacccccct gcttccactg cttgggcctg ctttctcaga tagactgact 1320
gctgaggagg ctctagggtt ttggaattcc tttgtgctca tcagagacct cagcctgggg 1380
aacacgctgc ccgcaactgcc cagagagcag tgcaaacc acaacacgag cgtgtttctt 1440
gagaggaatg tccccgagtt ggacaaggag gctgtttctg cacatcagct catttcccgc 1500
accccatattc ttktctgatt gctttgttgg gggcctggcc acttccttgc ttctcaagct 1560
gacaattctg cactttgcaa taaatagtcc agtgtttcct tccaaaaaaaa aaaaaaaaaa 1620
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1680
aaaaaaaaang gnggccnttt taaaggatcc aa 1712

```

<210> 1977

<211> 498

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (476)

<223> n equals a,t,g, or c

<400> 1977

```

atggtgtgac tcggccgacg cgagcgccgc gcttcgcttc agctgctagc tggcccaagg 60
gaggcgaccg cggagggtgg cgaggggagg ccaggacctg cagccccggg gccggggccg 120
tccggaccgc caggaggggc aggtcagtgg gcagatcgcg tccgcgggat tcaatctctg 180
cccgtcttga taacagtcct tttccctggc gctcacttcg tgccctggcag ccggctgggc 240
gcctcaagac cgttgtctct tcgacgcctt ctttggactt ggcgaccatt tcagagatgt 300
cttccagaag taccaaaagat ttaattaaaa gtaagtgggg atcgaagcct agtaactcca 360
aatccgaaac tacattagaa aaattaaaag gagaaattgc acacttaaag acatcagtgg 420
atgaaatcac aagtgggaaa ggaaagctga ctgataaaga gagacagaga tttttngaga 480
aaattcgagt ccttgagg 498

```

<210> 1978

<211> 4485

<212> DNA

<213> Homo sapiens

<400> 1978

```

gtaacttctc gggaagatga ggaggtttgg catctgtggc cgagttgctg ttgccgggtg 60
atagttggag cggagactta gcataatggc agaacctgtt tctccactga agcactttgt 120
gctggctaag aaggcgatta ctgcaatctt tgaccagtta ctggagtttg ttactgaagg 180
atcacatttt gttgaagcaa catataagaa tccggaactt gatcgaatag ccactgaaga 240
tgatctggta gaaatgcaag gatataaaga caagctttcc atcattgggt aggtgctatc 300
tcggagacac atgaagggtg catttttttg caggacaagc agtgggaaga gctctgttat 360
caatgcaatg ttgtgggata aagttctccc tagtgggatt ggccatataa ccaattgctt 420
cctaagtgtt gaaggaactg atggagataa agcctatctt atgacagaag gatcagatga 480
aaaaagagt gtgaagacag ttaatcaact ggcccatgcc cttcacatgg acaaagattt 540

```

1250

gaaagctggc tgtcttgtac gtgtgttttg ccaaaagcaa aatgtgccct cttgagagat 600
gacctggtgt tagtagacag tccaggcaca gatgtcacta cagagctgga tagctggatt 660
gataagtttt gcctagatgc tgatgtcttt gttttggtcg caaactctga atcaacacta 720
atgaatacgg aaaaacactt ttttcacaag gtgaatgagc ggctttccaa gcctaataatt 780
ttcattctca ataatcgttg ggatgcctct gcatcagagc cagaatatat ggaagacgta 840
cgcagacagc acatggaaag atgcctgcat ttcttggtgg aggagctcaa agttgtaaat 900
gctttagaag cacrgaatcg tatcttcttt gtttcagcaa aggaagttct tagtgctaga 960
aagcaaaaag cacaggggat gccagaaagt ggtgtggcac ttgctgaagg atttcatgca 1020
agattacagg aatttcagaa ttttgaacaa atctttgagg taggaatttt gtgattgtat 1080
tgccataatac aaaactcttt ctttggttgg agaaagcata atcttctatt tttatccttt 1140
gtctttgtca ataacttttg ctgttattta gtttagttac tgacacagcc agtaaaatgt 1200
ggaaagtga gaaaaggagc ccctgcaaaa tgatttga gaattgagaa ttaaagattg 1260
taatttattc ctattcttta ttttatgta ttttatataa ataagaaact gtgtttcaat 1320
attgctgtgt tgtgcaatga atgaaattcc ctgtattcaa taatttggaa caagagtaaa 1380
caagcgtaat tgctgttggg atggataata gagcaaagta agcattatcc ttttttactt 1440
tgtgccgcat gactaataga agtatacaaa acatgattaa tgccatttga caaaatttta 1500
ttatatttat atactgtgt accacatgtc cattctccat attttgtgcc aaacattcta 1560
aatgaataat tgagtagaaa agagcttcag cgttttcaga aacttctagg aaactattga 1620
agtgcctgag tggtagatgg ggaggggagc tagtttctta tgttgcatg taagtgtttt 1680
tattcagaga cattaaaact caccctacat ttgactgaat agttcttttag atattaacct 1740
tctgaacccc tattttgccc tgtataattc atatcacctt cccacttagg aatgaacaca 1800
gtgacttcag cattgaagaa acctcagtc gtaattattc ttataagtag taactgcttt 1860
aatgtaagg ggacatgaat gttgagtata cttggcagga tttttaaaat aaaaaatgtg 1920
cttactatct ctcatcttta atttggtgag agaaaaagg ttattagaca gatgaagaca 1980
aactggaaga aagcaaatcc actgccagct atctcgataa gatctaattg ttcagaggct 2040
actggattat cagtagatgt cctctcaagc caagctatag gatacgtgaa gtccccgtta 2100
ctcaaagact attgtttgtt tttttctttt tccttttgct ttcaccaaag ggttgatgct 2160
ctcctcacct ctttttctc ttaaagaaat gggatctccc tctgttatcc aggctggagt 2220
gcagttgggc aatcatagcg cattgcagcc tcgaactcct gggctcaaat ggtcctccca 2280
cctcagcctc ctctcctcac tgttatcagt tatttcatcc atggggaaaa tatgtaggga 2340
gaggatctat tctacttcct tgtctttatt tactgacctt agtatatatg tgttttatgt 2400
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ctgtttacaca tttatactgc ttccatattg gttcatggta tagcttgtgc ttcccaagaa 2520
tatctcgttg aggaggtggg aatgagaaga ataagatatg ctgtagggaa ttggttcata 2580
agcctagctg atcatcagaa tcacatgacg tgcttttagag aaccacaggc tcctgacct 2640
tcctatcccc aaccccagat ccaggggggtt ggggttggtc taggaatcta tatacatata 2700
tattcaaagt tccccaagtg attgcaataa tcagacagac ttaggaacta ttctttttaa 2760
atgttttttag aggaaacttg gcagtttatg ttttattcta atgggtccatt tgggattcta 2820
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tggratgtcc agcttttagag tttgaaaatt ttaagtctga aatatctaaa atgagaatca 2940
gttaaaaaat atttgaattt ttccaaacaa tcagctgggc aaaaaatatt atgtctgaat 3000
gtattaaaaa gagacaaaac attttttggtt aattaattac attgaaagt ttagtcagct 3060
ttattccaaa actgggtattt gttacttctt aagtcagttt tggtaatttc tgatttctta 3120
gaaattggtg tatttctgaa catttataat ttagtagcat aaaattgttt gttttgaatc 3180
tcttgtttct cacttctata tttaaatata aatatatata tacatatata tacacacaca 3240
gaccttaaat ggggttgcca atgatttatc atccaaagac acagccccag ctcttatgta 3300
atztatcact taataaatat catttttggg gtttcattca ctaagtctt tttttttttt 3360
tttttttttt tgagacagag tctcgctctg tcgccgccag gctggaatga gggagtgaat 3420
gcagcggcgc gatgtcagct cactacaacc tccggtcctt ggttcaagg gactcttctg 3480
cctcagcttc cctagtagct gggactacag gggcacacca ctacatccg ctaatttttg 3540
tatttttagt agagacgggg ttacacagtg ttggccagga tggctctgat ctctgacct 3600

1251

```

catgatccac cgccttggc ctcccaaagt gctgggacta caggcgtgag ccaccgtgcc 3660
tggcctgtgt tcgtctttaa cattgtttac gttgaagatg cattgggttt tgcttattct 3720
taaagaaaag attcaggatt gtgaatttgt gactgcagct ttaggcgtat cccaagggtt 3780
tcagtactag tttagttttt gttgtttttg tttctaatta tccttttggc atttccttat 3840
caatataaga ctttttaaaa ttcaagtgtt ttgattcatt ttatccaatt tttggttact 3900
aatttcttgg tttctttgtg ttgtggtcac atcatgtggc ttttacacac attttctctg 3960
ttttggggat ttgctacttt tttttgtagt cgtgcaagat tttttgtgaa aagaaaaact 4020
gtatcaagtt catcaccttt atcaatttga cctgtgccgt gaacttcttt agattcattt 4080
gattcaaagt gatctaagta ttttaaacaat ttagaatact aatttaagca aggcttgaaa 4140
attaaatgga gtaaaagcaa taaaaaaaat caatattagc ctgggcattg gtggctcatg 4200
ccagtaatgc cagtactttg ggatgccaaa gcaggaagat ctcttgagct taggagattg 4260
agatcagggt gggcaaaaac atgaaaagac taaatcacat ctctagcagg aaaaaaaaaa 4320
aatccagata tgatagctca tgactatagt cacagctacc ccagaggctg aggtggaagg 4380
ccaagaagtt tgaggctgtg gtgatgggtg gctatggagg taccactgtg ctccaacctg 4440
tgtgacagag tgagactctc ttttctttca aaaaaaaaaa aaaaaa 4485

```

<210> 1979

<211> 2486

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2436)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2465)

<223> n equals a,t,g, or c

1252

<220>

<221> misc feature

<222> (2470)

<223> n equals a,t,g, or c

<400> 1979

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ngnacgttna tcttccaagg ncccaactata gaaggtacgc ctgcagggtac cgggtccggaa 60
tccccgggtcg acccacgcgt ccgcgggacgc gtggggcggac gcgtggggcgc agccccggag 120
ccccgggccag ggtccacctg tccccgcagc gccggctcgc gccctcctgc cgcagccacc 180
gagccgcccgt cttagcgcctc gacctcgcca ccatgagagc cctgctggcg cgcctgcttc 240
tctgcgtcct ggtcgtgagc gactccaaag gcagcaatga acttcatcaa gttccatcga 300
actgtgactg tctaaatgga ggaacatgtg tgtccaacaa gtactttctcc aacattcact 360
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gaccctggtg ctatgtgcag gtgggcctaa agccgcttgt ccaagagtgc atggtgcatg 660
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gaggcagcct catcagccct tgcgtgggtga tcagcgccac acactgcttc attgattacc 900
caaagaagga ggactacatc gtctacctgg gtctctcaag gcttaactcc aacacgcaag 960
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agcatcccg actatacaga ccatctgcct gccctcgatg tataacgatc ccagtttg 1140
cacaagctgt gagatcactg gctttggaaa agagaattct accgactatc tctatccgga 1200
gcagctgaaa atgactgttg tgaagctgat tccccaccgg gagtgtcagc agccccacta 1260
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gagagtctca cacttcttac cctggatccg cagtacacac aaggaagaga atggcctggc 1500
cctctgaggg tccccaggga ggaaacgggc accaccgcct ttcttgctgg ttgtcatttt 1560
tgcagtagag tcatctccat cagctgtaag aagagactgg gaagataggc tctgcacaga 1620
tggaatttgc tgtgccaccc accaggyga acgacaatag ctttaccctc aggcataaggc 1680
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gttactgacc agcaacttgt ctttttctgg actgaagcct gcaggagtta aaaagggcag 1800
ggcatctcct gtgcatgggt gaagggagag ccagctcccc cgacgggtggg catttgtgag 1860
gcccattggt gagaaatgaa taatttccca attaggaagt gtaacagctg aggtctcttg 1920
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gcagggtcct gatattccat gaatgtatca ggaaatatat atgtgtgtgt atgtttgcac 2040
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aaatatattc ttaaactgtg tggactgtga tgccacacag agtggctctt ctggagaggt 2160
tataggtcac tcctggggcc tcttgggtcc cccacgtgac agtgcctggg aatgtattat 2220
tctgcagcat gacctgtgac cagcactgtc tcagtttcac tttcacatag atgtcccttt 2280
cttggccagt tatcccttcc ttttagccta gttcatccaa tcctcactgg gtgggggtgag 2340
gaccactcct tacactgaat atttatattt cactattttt atttatattt ttgtaatttt 2400
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ggggnccggn accaattcgc cctaaa 2486
```

<210> 1980

<211> 915

1253

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (111)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (172)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (724)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (825)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (845)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (848)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (855)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (886)

<223> n equals a,t,g, or c

<400> 1980

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ggagcgcaac gcaattaatg tgagttagct cactcattag gcaccccagg ctttacactt 60
tatgcttccg gctcgtatgt tgtgtggaat tgtgagcgga taacaatttc ncacaggaaa 120
cagctatgac catgattacg ccaagctcga aattaaccct cactaaaggg ancaaaagct 180
ggagctccac cgcggtggcg gccgctctag aactagtgga tcccccgkkc tgcaggaatt 240
cggcacgaga ggacataaca gaagcaatag agactaccat tagtcttgaa acagcacgtg 300
cagaccatcc gaagcctgta actgtgaaac cagtaacaac ggaacctcag agtccagatc 360
tgaacgatgc cgtgtccagt ttgcgaagtc ctattccctt cctcctgtcg tgtgcctttg 420
```

1254

```

ttcaggtggg gatgtatttc atgtagaagg tggaagaagg ctgctatgac tctttggatg 480
ggagtctggc aagaggaaat tggaagataa aataaataat aagtgaata aaaaaaaaaa 540
aaaaaaaaaa aaaaaaaact cgaggggggg cccggtaccc aattcgccct atagtgaagtc 600
gtattacaat tcaactggccg tcgtttttaca acgtcgtgac tgggaaaacc ctggcggttac 660
ccaacttaat cgccttgca cacaaccccc tttcgccagc tggcgtaata gcgaagaggc 720
ccgnaccgat cgccttccaa cagttgcgca acctgaatgg cgaatggcaa attgtaaagc 780
gttaatatatt tggtaaaatt cgcggtaaat tttggtaaat caagntcatt ttttaaccaa 840
taggnccnaa tcggnaaaat cccttataaa tcaaaaggaa tttganccgg gaatagggtt 900
gaatggttgt tccaa 915

```

<210> 1981

<211> 1427

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<400> 1981

```

ggaaaatctt ctgacactat ntaaggnaag cctgcnngta ccggtccgga attccccgggt 60
cgaccacgc gtcgggggaa gtcggtggcg ctggtcctgc tgggggtcgg cctgtcctta 120
gtcggggaga tgttctctggc gtttagagaa aggggtgaatg cctctcgaga agtggagcca 180
gtagaacctg aaaactgcc cttatttgag gaacttgaaa gtggctctga agatattgat 240
atacttccta gtgggctggc ttttatctcc agtggattaa aatatccagg catgccaaac 300
tttgcgccag atgaaccagg aaaaatcttc ttgatggatc tgaatgaaca aaacccaagg 360
gcacaagcgc tagaaatcag tgggtggattt gacaaagaat tatttaatcc acatgggatc 420
agtattttca tcgacaaaga caatactgtg tatctttatg ttgtgaatca tccccacatg 480
aagtccactg tggagatatt taaatttgag gaacaacaac gttctctggt atacctgaaa 540
actataaaac atgaacttct caaaagtgtg aatgacattg tggttcttgg accagaacag 600
ttctatgcc cagagacca ctattttacc aactccctcc tgtcattttt tgagatgatc 660
ttggatcttc gctggactta tgttcttttc tacagcccaa gggagggttaa agtgggtggcc 720
aaaggatttt gtagtgccaa tgggatcaca gtctcagcag accagaagta tgtctatgta 780
gctgatgtag cagctaagaa cattcacata atggaaaaac atgataactg ggatttaact 840
caactgaagg tgatacagtt gggcacctta gtggataacc tgactgtcga tcctgccaca 900
ggagacattt tggcaggatg ccatecta cctatgaagc tactgaacta taaccctgag 960
gaccctccag gatcagaagt acttcgcac cagaatgttt tgtctgagaa gccagggtg 1020
agcaccgtgt atgccaacaa tggctctgtg cttcagggca cctctgtggc ttctgtgtac 1080
catgggaaaa ttctcatagg caccgtatct cacaaaactc tgtactgtga gctctagact 1140
ctagatagta aaaaaaaaaa aaaaaagtct acatattttg taaaagtaaa ctgataattg 1200

```

1255

```
tatgataagt ggcactgtaa gtaaataagca aacaccaacc agtgagtgtg gcttttctta 1260
tggatagaag taaaggagca gacagagatt ccttgatagc catcaaattg caagtcaggt 1320
taatgacagt ccaacaagaa gccaaacttt acggatcttt gttagcagcc ccaatgttct 1380
ttctacaata aaacatgtgg actatgtcca gtgaggtctc cgactca 1427
```

<210> 1982

<211> 711

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (561)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (588)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (600)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (626)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (682)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (699)

<223> n equals a,t,g, or c

<400> 1982

```
tgctgatgca ggccatctcc ctcttctccn cagaccgtcc aggtgtgctg cagcaccgcg 60
tggatgacca gctgcaggag caattcgcca ttactctgaa gtcctacatt gaatgcaatc 120
ggccccagcc tgctcatagg ttcttgttcc tgaagatcat ggctatgctc accgagctcc 180
gcagcatcaa tgctcagcac acccagcggc tgctgcgcac ccaggacata ccccccttg 240
ctacgccccct catgcaggag ttgttcggca tcacaggtag ctgagcggct gcccttgggt 300
```

1256

```

gacacctccg agaggcagcc agacccagag ccctctgagc cgccactccc gggccaagac 360
agatggacac tgccaagagc cgacaatgcc ctgctggcct gtctccctag ggaattcctg 420
ctatgacagc tggctagcat tcctcaggaa ggacatgggt gccccccacc cccagttcag 480
tctgtaggga gtgaarccac agactcttac stggagagtg cactgacctg taggtcagga 540
ccatcagaga ggcaagggtg ncctttcttt taaaaggccc tgtggtcntg gggagaaatn 600
cctcagatcc cactaaaagt gtcaangtgt tgaaagggac caaagccgac caaaggatag 660
ggcattcctg ggggtctaata gncccaacaa taccacacnt tttgggttcg g 711

```

<210> 1983

<211> 523

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (313)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (375)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (468)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (504)

<223> n equals a,t,g, or c

<400> 1983

```

aaaasgtmac gcctgacagg tmaccggatc cgggaattcc cgggtcgacc cacggcgctcc 60
gcatttgcaa taacagaaaa ggaattgcat gtatgaagtt ttcaatcgtg ggcttttctt 120
tgttgtgggg aggggggtcgg gggatagttt gatttccatt ttctgaaaac gacagacttg 180
gattctgttt gtgtgtgcat attttatcca gccttaagtt ataaagctca tctgtcccgc 240
tgcattccct gtgtattttc aggacatggc tcgtgggtgt gtgtgttcat tgtgtgcgtc 300
tgtatgtatt ttncgtgcat cactgttccc tctcctccc agtgtgcatt cagttaatat 360
aatcagttgc ttgcntcttt caaagtgcct tgaaagtctg aactcatgtg tgagcatttt 420
atcaactatc ccaattgcag ttctccatca caaatctcct attggccngt acccctgaga 480
atagttaga gaatggaata agcngtctgg aagatagcta gcg 523

```

<210> 1984

<211> 464

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

1257

<222> (417)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (423)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (460)
 <223> n equals a,t,g, or c

<400> 1984
 atctactagg agtcagggtg taagcctaga gaggatgaaa gaaggggagg ggatggggag 60
 tggtaagaac ctaggatttg aattcccagc ctggccaacc cttgcagcca tgtcttggcc 120
 tcaagtggaa caagggctcc ttgaggccag cagggttggg ggagttggg tgggcctgag 180
 cctctttcct gctagagctc ttggctcctc ctgcctccac caccatccc tgctctgcag 240
 aacccctggg tgctgagtgg caggagcccc agggttgtcc catctgggta tggctggctg 300
 ggtcactaac ttctgtgatc tgcttccttc ctttccagat tatgcggatc aaacctcacc 360
 aaggccagca cataggagag atgagcttcc tacagcacia caaatgtgaa tgcagancaa 420
 agnaagatag agcaagacaa gaaaatccct gtgggccttn ctca 464

<210> 1985
 <211> 1233
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (49)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (72)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (93)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (135)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (163)

1258

<223> n equals a,t,g, or c

<400> 1985

```
atggaaaaac gccagcaacg cggccttttt acgggttctg gccttttgnt ggccttttgc 60
tcacatgttc tntcctgctg tateccctga ttntgtggat aaccgtatta ccgcctttga 120
gtgagctgat accgntcgcc gcagccgaac gaccgagcgc agngagtcag tgagcgagga 180
agcggaaagag cgcccaatac gcaaaccgcc tctccccgc gcgttggccg atttcattaa 240
tgcagctggc acgacagggt tcccgaactg aaagcgggca gtgagcgcaa cgcaattaat 300
gtgagtttag tcactcatta ggcaccccag gctttacact ttatgcttcc ggctcgtatg 360
ttgtgtggaa ttgtgagcgg ataacaattt cacacaggaa acagctatga ccatgattac 420
gccaagctcg aaattaaccc tactaaagg gaacaaaagc tggagctcca ccgcggtggc 480
ggcgcctcta gaactagtgg atcccccggt ctgcaggaaat tcggcacgag catgggtgtt 540
gcaaaacttt ctctctattt ttctcctcct ggtattctca ttactctgtt tcacctgtg 600
tagttgtccc acagtcttgg atatcatctt ctgttctttt cagtgtttct tttctttagt 660
tttcgaagtt tctgatgata aatcctcaag ctgagagatt ctttactcag ctgagtcag 720
tctactaata agccatcaga ggtattcttc agttatttaa cacatttttt accactacat 780
tatgttgaag tttcttacga tgtctgtctt tctgattaca ttaccatct acacttgaat 840
gctgtctact tcattcatta gacccttagc atattctcca gaggtttaa aaaatttcca 900
aaatcataac tttgtctgct tctgaagctt gctctgttga cacaaattgt attttttct 960
ttttttggat tttagtatgc cttgcaattt tttcccttta ttctcatgca tgaagcacc 1020
cactaaargt gactgytgtt agtatagctt tartaatgcg gtgatgargt gacagggcag 1080
gtgatgctct cttagtctct ttargctact ataacaaaat actttagact gagccsaata 1140
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaac tcgagggggg 1200
gccccagcca attcgcctta ctacgtgcgt cga 1233
```

<210> 1986

<211> 1583

<212> DNA

<213> Homo sapiens

<400> 1986

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ctgctggctc acctccgagc cactctgctg gcgcaccgca gcctcggacc tacagcccag 60
gatacttttg gacttgccgg cgctcagaaa cgcgcccaga cggccctcc accttttgtt 120
tgcctagggg cgccgagagc gcccgagggt aaccgcctgg ccttcgggga ccaccaattt 180
tgtctggaac caccctcccg gcgtatccta ctccctgtgc cgcgaggcca tcgcttcaact 240
ggaggggctg atttgtgtgt agtttgggtga caagatttgc attcacctgg cccaaaccct 300
ttttgtctct ttgggtgacc ggaaaactcc acctcaagtt ttcttttgtg gggctgcccc 360
ccaagtgtcg tttgttttac tgtagggtct cccgcccggc gccccagtg ttttctgagg 420
gcggaaatgg ccaattcggg cctgcagttg ctgggcttct ccatggccct gctgggctgg 480
gtgggtcttg tggcctgcac cgccatcccg cagtggcaga tgagctccta tgcgggtgac 540
aacatcatca cggcccaggc catgtacaag gggctgtgga tggactgcgt cacgcagagc 600
acggggatga tgagctgcaa aatgtacgac tcggtgctcg cctgtccgc ggccttgcag 660
gccactcgag ccctaattgg gtctctccctg gtgctgggct tcttggccat gtttgtggcc 720
acgatgggca tgaagtgcac gcgctgtggg ggagacgaca aagtgaagaa ggcccgtata 780
gccatgggtg gaggcataat ttcatcgtg gcaggtcttg ccgccttggg agcttgctcc 840
tggtatggcc atcagattgt cacagacttt tataaccctt tgatccctac caacattaag 900
tatgagtttg gccctgccat ctttattggc tgggcagggt ctgccctagt catcctggga 960
ggtgcactgc tctcctgttc ctgtcctggg aatgagagca aggctgggta ccgtgcacc 1020
cgctcttacc ctaagtccaa ctcttccaag gagtatgtgt gacctgggat ctcttgccc 1080
cagcctgaca ggctatggga gtgtctagat gcctgaaagg gcctggggct gagctcagcc 1140
tgtgggcagg gtgcccggaca aaggcctcct ggtcactctg tccctgcact ccatgtatag 1200
```

1259

```

tcctcttggg ttgggggtgg gggggtgccg ttggtgggag agacaaaaag agggagagtg 1260
tgctttttgt acagtaataa aaaataagta ttgggaagca ggcttttttc ctttcagggc 1320
ctctgctttc ctcccgtcca gatccttgca gggagcttgg aaccttagtg cacctacttc 1380
agttcagaac acttagcacc cactgactc cactgacaat tgactaaaag atgcagggtgc 1440
tcgtatctcg acattcattc ccacccccct cttattttaa tagctaccaa agtacttctt 1500
ttttaataaaa aaaataaaga tttttattag gtaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1560
aaaaaaaaaa aaaaaaaaaa aaa                                     1583

```

<210> 1987

<211> 521

<212> DNA

<213> Homo sapiens

<400> 1987

```

tgaaaaccat ccgtctgcca cgctggctgg cccccagccc ccaacctcca tcctgcagga 60
gggtccgaag tgcttttcct ctaaccagat tctgtcttct ctccagcagc ctgccccacc 120
aaggagatcc aggttaaaaa gtacaagtgt ggccctcatca agccctgccc agccaactac 180
tttgcgttta aaatctgcag tggggccgcc aacgtcgtgg gccctactat gtgctttgaa 240
gaccgcatga tcatgagtcc tgtgaaaaac aatgtgggca gaggcctaaa catcgccctg 300
gtgaatggaa ccacgggagc tgtgctggga cagaaggcat ttgacatgta ctctggagat 360
gttatgcacc tagtgaaatt ccttaaagaa attccggggg gtgcaactgt gctgggtggc 420
tcctacgacg atccagggac caaaatgaac gatgaaagca ggaaactctt ctctgacttg 480
gggagttcct acgcaaaaca actgggcttc gggacagtgg g                                     521

```

<210> 1988

<211> 346

<212> DNA

<213> Homo sapiens

<400> 1988

```

gcttgagtcc agatcttgta ctctctcat atttcttctg aaacatttaa aagtgtacat 60
tggttgtcaa atgtcaaaca ttacttactt catacttttt tctccaatc tttatttcac 120
agttgttcag gggatgaagg aagctcagga aaggctgacg ggtgatgcct tcagaaagaa 180
acatcttgaa gatgaattgt aacatgaatg tgcccccttct ttcacagar ttagtgttct 240
ggaaggaaag cagcagggaa agggaatatt gaggaatcmt ctagaacaat taagccgamc 300
aggaaactca tycctaccta cctggaaaga mgtccccccc ccccc                                     346

```

<210> 1989

<211> 952

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (944)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (945)

<223> n equals a,t,g, or c

1260

<220>

<221> misc feature

<222> (947)

<223> n equals a,t,g, or c

<400> 1989

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ggcacgaggc cctcgcggcc tggccccgcc gcgccccgcc cgccccgcc ccgggggggat 60
gtcttacaaa ccgaacttgg ccgcgcacat gcccgccgcc gccctcaacg ccgctgggag 120
tgtccactcg ccttccacca gcatggcaac gtcttcacag taccgccagc tgctcagtga 180
ctacggggcca ccgtccctag gctacacca ggggaactggg aacagccagg tgccccaaag 240
caaatacgcg gagctgctgg ccatcattga agagctgggg aaggagatca gaccacgta 300
cgcaggggagc aagagtgcc tggagaggct gaagcgccgc atcattcacg ctagaggact 360
ggttcgggag tgcttggcag aaacggaacg gaatgccaga tcctagctgc cttgttggtt 420
ttgaaggatt tccatctttt tacaagatga gaagttacag ttcattctcc ctgttcagat 480
gaaacccttg ttttcaaaat gggttacagt tctgttttcc tcccatgggt cacttggttc 540
tgaacctaca gtctcaaaga ttgagaaaag attttgcagt taattaggat ttgcatttta 600
agtagttagg aactgcccag gttttttttg ttttttaagc attgatttaa aagatgcacg 660
gaaagttatc ttacagcaaa ctgtagtttg cctccaagac accattgtct ccctttaatc 720
ttctcttttg tatacatttg ttacccatgg tgttctttgt tccttttcat aagctaatac 780
cactgtaggg attttgtttt gaacgcata tgacagcacg ctttacttag tagccgggtc 840
ccatttgcca tacaatgtag gttctgctta atgtaacttc ttttttgctt aagcatttgc 900
atgactatta gtgcttcwwa gtcaattggg ccrkgcactt tttntnaga gg 952
```

<210> 1990

<211> 606

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (33)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1261

<222> (357)

<223> n equals a,t,g, or c

<400> 1990

```

atnancctc actaaaggga acaaaagcng ggngctccac cgcggtgtcg gccgctctag 60
aactagtggg tcccccgggc tgcaggaatt cggcacgagt attgggacag gtggctttgc 120
aaagggtcaaa cttgcctgcc atatccttac tggagagatg gtagctataa aaatcatgga 180
taaaaacaca ctagggagtg atttgccccg gatcaaaacg gagattgagg ccttgaagaa 240
cctgagacat cagcatatat gtcaactcta ccatgtgcta gagacagcca acaaaatatt 300
catggttcctt gactactgcc ctggaggaga gctgtttgac tatataattt cccaggntcg 360
cctgtcagaa gaggagaccc gggttgtctt ccgtcagata gtatctgctg ttgcttatgt 420
gcacagccag ggctatgctc acagggacct caagccagaa aatttgctgt ttgatgaata 480
tcataaatta aagctgattg actttggtct ctgtgcaaaa cccaagggtg acaaggatta 540
ccatctacag acatgctgtg ggagtctggc ttatgcagca cctgagttaa tacaaggcaa 600
atcata                                           606

```

<210> 1991

<211> 1097

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (905)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (916)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (940)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1031)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1056)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1080)

<223> n equals a,t,g, or c

1262

<400> 1991

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tcgacccacg cgtccggtgc agtacgagct gtgggcccgc ctgcctggcg cctccggggt 60
cgccctggcc tgctgcttcg tggcgggcgc cgtggccctg cgctggtecg ggcgccggac 120
ggcggtggcg cgggtggtccg ggcgcgacag aggcagcgag cgggcctgga gaacatggac 180
agggcgggcg accttcgggc tccagaaccc agacctggac tcagaggcgc tgctagccct 240
gcccctgcct cagctggtgc agaagttaca cagtagagag ctggcccctg aggccgtgct 300
mttcacctat gtgggaaagg cctgggaagt gaacaaagg accaactgtg tgacctccta 360
tctggctgac tgtgagactc agctgtctca ggccccaagg cagggcctgc tctatggcgt 420
ccctgtgagc ctcaaggagt gcttcaccta caagggccag gactccacgc tgggcttgag 480
cctgaatgaa ggggtgccgg cggagtgcga cagcgtagtg gtgcatgtgc tgaagctgca 540
gggtgccgtg cccttcgtgc acaccaatgt tccacagtcc atgttcagct atgactgcag 600
taacccccctc tttggccaga ccgtgaaccc atggaagtcc tccaaaagcc cagggggytc 660
ctcaggggggt gaagggggccc tcatcgggtc tggaggytyc cccctgggyt taggcactga 720
tatcgagggc agcatccgyt tcccctcctc cttctgcggc atctgcggcc tcaagcccac 780
agggaaacccg mctcaatgcg tctctccgtg ggcccatgg cccgggacgt ggaaaagcct 840
ggcacttggt cctgcgaacc ctgcttgtgc caaggacatg tttccgcttg gacccaatgt 900
gcctnccttg cccttnaaga agaggtctac accaagttn aaccctgcg tgtggggtac 960
tatgagaatt gacaactata ccatgccttc ccggcatgaa gcggccctgc ttggaaacaa 1020
acagagctta ngttggggga cacctgcaag ctgcanttct aaaacataag ctgtcggtgn 1080
aattggaatt gaacaat 1097
```

<210> 1992

<211> 903

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (52)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (745)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (801)

<223> n equals a,t,g, or c

1263

<400> 1992

```

ncnaaattaa ccctcactaa agggaaacaaa agctggagct ccaccgcggt gncgtccgct 60
ctagaactag tggatccccc gggctgcagg aattcggcac gaggcacctt cttcaagatg 120
gagctttttg aaggcatgcg agagagcacc aagatttcat ctctgttggc agaattggag 180
gcaattcaaa gaaattcagc atcccaaaaag agtgtcattg tctctcagtg gaccaacatg 240
ctgaaagtgt tagcattgca cctgaagaag catggactga cttatgccac catcgatggc 300
tctgtcaatc ccaagcagag aatggacttg gtagaggcat ttaaccactc cagaggccct 360
caggtaatgc taatctctct cttggccgga gtgttggtct aaacctgact ggaggaaatc 420
acctctttct tttggacatg cactggaatc catcacttga agatcaagct tgtgaccgaa 480
tttaccgagt agggcagcag aaagatgttg tcatacacag rtttgtttgt gagggaaacag 540
tagaagaaaa gatcttacag ctccaagaaa aaaagraaga tttggccaaa caagttctat 600
cagggctctg agaatctgtc accaagctca ccttggctga cctcagagtc ctttttggca 660
tctaacctcc tgtggataag ggctcagaat agcaccattg ctgtgatgtt gcacctgtaa 720
ccatcttttt atgggtggag caganagtca atccctgcag ccacctgca gccagccatc 780
tctgcagttc tctcagtgc ngcagttctt cctctcaggc tgaagatcaa ggagatgctt 840
tgtwcatgaa cagatgctga rtatctgtta tcattgtatt gtttartgtc agtgtatcat 900
tta

```

<210> 1993

<211> 2999

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (243)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2606)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2996)

<223> n equals a,t,g, or c

<400> 1993

```

ttttttttta ttttttggtt tagcatttaa taggcacata atcaacattt actgttcaat 60
tgaaacaaaa ttaaaattgg gcgctgtctc tatctttatt tgtgacggc cctaactgca 120
ctggcaatct tttccgtttt tttgttttct gttttccatt cgcatgcccc ttagcgtacc 180
tggggctccg gctcctttac aaatgaaacc caaagtgtc cgaagcacag ccagcgaaaag 240
ganaaactct gaaacggaca agatggctgc cacctcttcg cgctcttag tcccaccac 300
tcagggcgga ggtctgcgtc atgtgacctt ccccttcttg gctccgctcc taccgcagtg 360
cttgacggga ggcggacggg gaacgaggcc gtcggcattt tgtgtctgct tctgtggga 420
cgtggtggtg gccgttgggt tgggaaagtg agggattttt ggctctgttt ctctgtcttc 480
ttttctcttc ccttttactt tgccggtaga acacagttat gggctcgcaag aagaagaagc 540
agctgaagcc gtggtgctgg tattgtaata gagattttga tgatgagaag atccttatte 600
agcaccaaaa agcaaagcat tttaaatgcc atatatgtca caagaaattg tatacaggac 660
ctggcttagc tattcattgc atgcaggtac ataaagaaac aatagatgcc gtaccaaattg 720

```

1264

```
caatacctgg aagaacagac atagagttgg aaatatatgg tatggaaggt attccagaaa 780
aagacatgga tgaaagacga cgacttcttg aacagaaaac acaagaaagt caaaaaaaga 840
agcaacaaga tgattctgat gaatatgatg atgacgactc tgcagcctca acttcatttc 900
agccacagcc tgttcaacct cagcaagggt atattcctcc aatggcacag ccaggactgc 960
caccagtacc aggagcacca ggaatgcctc caggcatacc tccattaatg ccagggtgttc 1020
ctcctctgat gccaggaatg ccaccagtta tgccaggcat gccacctgga ttgcatcatc 1080
agagaaaata caccagtcga ttttgcggtg aaaacataat gatgccaatg ggtggaatga 1140
tgccacctgg accaggaata ccacctctga tgccctggaat gccaccaggt atgccccac 1200
ctgttccacg tcctggaatt cctccaatga ctcaagcaca ggctgtttca gcgccaggta 1260
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atttcaaacc cttaaatagt acccctgcaa caactacaga acccccaaag cctacatttc 1440
ctgcttatac acagtctaca gcttcaacaa ctagtacaac aaatagtact gcagctaaac 1500
cagcggtctc aataacaagt aagcctgcta cacttacaac aactagtga accagtaagt 1560
tgatccatcc agatgaggat atatccctgg aagagagaag ggcacagtta cctaagtatc 1620
aacgtaatct tcctcggcca ggacaggccc ccacggtaa tccaccagtt ggaccaattg 1680
gaggtatgat gccaccacag ccaggcatcc cacagcaaca aggaatgaga cccccaatgc 1740
cacctcatgg tcagtatggt ggtcatcatc aaggcatgcc aggatacctt cctggtgcta 1800
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cctgaagttg caattttatac tgtatggctt ctttttcatg tttcatctag gtttttagaa 2160
gtgaagtata gtaaattttg ttcgttaaat tgtgaaggcg ctggaattac atgaacatac 2220
caccctagta aaggcaagtt ctgtaagctt acattgctat ttgtaaagtt tgccttcaca 2280
gcatttcaga tgctgttgga cttcatgtcc ccaacctagc ttggtgaggg ctgtaactgt 2340
ttccaagtac ttgtacattg gaagtctgaa tgtgtaacaa tatttaaatgt atttagagtt 2400
cctcatgttg cagggtttta gaaatctgac ccaccaaggt catgtgactt ttctgtactg 2460
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gtggaccact gcctgaaagg tttgtacaga tgcatgccac agtagatgtc cacataataa 2580
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cccttccacc ctctatggtg tcagtacaca tcacgtgtca tagatactta aaatgtaa 2820
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ttttgattat ttttgagact cagtactagc ttctgtgtct gttaatgggt tattatata 2940
tattctaagt gtaatgctga gaatctaaat gtgtctctgt tgggatgggt aacagntga 2999
```

<210> 1994

<211> 338

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (329)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1265

<222> (332)

<223> n equals a,t,g, or c

<400> 1994

```

gcacaccgcg ctyagcgcc tcaactgccat ccccgctgtc cttgccgccc ccgccaatggg 60
cctagagctg tttcttgacc tgggtgtccca gcccagccgc gccgtctaca tcttcgccaa 120
gaagaatggc atcccccttag agctgcgcac cgtggatttg gtcaaagggtg ggcccagccc 180
gtttccccgc gtgtccacaa acccagtgc mccccaggcc cccgcctgct ctgccctgag 240
cgtctcgccg ccgcacagcc cctcacctcc tcctgcagcg tctgccacca gagaatgctg 300
tggactgagt ggcttggagg gatcacagnc tntctgaa 338

```

<210> 1995

<211> 2346

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2262)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2332)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2344)

<223> n equals a,t,g, or c

<400> 1995

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ggtgccgtct gcctcccagg tgcgcgcttc gctcccggag ccgcggaact cggcgggccgc 60
catggcgctc aacatggacc gggagatgat cctggcggat tttcaggcat gtactggcat 120
tgaaaacatt gacgaagcta ttacattgct tgaacaaaat aattgggact tagtggcagc 180
tatcaatggg gtaataccac aggaaaatgg cattctacaa agtgaatatg gaggtgagac 240
cataccagga cctgcattta atccagcaag tcatecagct tcagctccta cttcctcttc 300
ttcttcagcg ttctgacctg taatgccatc caggcagatt gtagaaaggc aacctcggat 360
gctggacttc agggttgaat acagagacag aaatggtgat gtggtacttg aagacacctg 420
tactgttggg gagattaaac agattctaga aaatgaactt cagataacctg tgtccaaaat 480
gctgttaaaa ggctggaaga cgggagatgt ggaagacagt acggtcctaa aatctctaca 540
cttgccaaaa aacaacagtc tttatgtcct tacaccagat ttgccaccac cttcatcatc 600
tagtcatgct ggtgccctgc aggagtcatt aaatcaaaaac ttcatgctga tcatcaccca 660
ccgagaagtc cagcgggagt acaacctgaa cttctcagga agcagtacta ttcaagaggt 720
aaagagaaat gtgtatgacc ttacaagtat ccccggttcgc caccaattat gggagggctg 780
gccaacttct gctacagacg actcaatgtg tcttgctgaa tcagggtctt cttatccctg 840
ccatcgactt acagtgggaa gaagatcttc acctgcacag acccggaac agtcggaaga 900
acaaatcacc gatgttcata tggttagtga tagcgatgga gatgactttg aagatgctac 960
agaatttggg gtggatgatg gagaagtatt tggcatggcg tcatctgcct tgagaaaatc 1020
tccaatgatg ccagaaaacg cagaaaatga aggagatgcc ttattacaat ttacagcaga 1080
gttttcttca agatatggtg attgccatcc tgtatttttt attggctcat tagaagctgc 1140

```

1266

```

ttttcaagag gccttctatg tgaaagcccc agatagaaag cttcttgcta tctacctcca 1200
ccatgatgaa agtgtgttaa ccaacgtgtt ctgctcacia atgctttgtg ctgaatccat 1260
tgtttcttat ctgagtcaaa attttataac ctgggcttgg gatctgacaa aggactccaa 1320
cagagcaaga tttctcacta tgtgcaatag acactttggc agtgttgtgg cacaaaccat 1380
tcggactcaa aaaacggatc agtttccgct tttcctgatt attatgggaa agcgatcatc 1440
taatgaagtg ttgaatgtga tacaagggaa cacaacagta gatgagttaa tgatgagact 1500
catggctgca atggagatct tcacagccca acaacaggaa gatataaagg acgaggatga 1560
acgtgaagcc agagaaaaatg tgaagagaga gcaagatgag gcctatcgcc tttcacttga 1620
ggctgacaga gcaaagaggg aagctcacga gagagagatg gcagaacagt ttcgttttga 1680
gcagattcgc aaagaacaag aagaggaacg tgaggccatc cggctgtcct tagagcaagc 1740
cctgcctcct gagccaaagg aagaaaatgc tgagcctgtg agcaaactgc ggatccggac 1800
ccccagtggc gagttcttgg agcggcgttt cctggccagc aacaagctcc agattgtctt 1860
tgatttttga gcttccaaag gatttccatg ggatgagtac aagttactga gcacctttcc 1920
taggagagac gtaactcaac tggacccaaa taaatcatta ttggaggtaa agttgttccc 1980
tcaagaaaacc cttttccttg aagcaaaaga gtaaacacgg cccagcgggtg gaaccagcca 2040
ttccttgaca agccagcagc ctgcgtcagg agaagggtc ctcgccaacc caccacacg 2100
ctcgtctcac tcaattcaat gtcacacttc tgctcttgc aaaattgctg gaaaaagtaa 2160
taataaatat agctacttaa gatttcccat ccatgagtat atattcccaa cccttattac 2220
agagaattac aactctggca cccttcctta cccctgcact tnacccttct tcaatgacga 2280
atgcatttgt caagtgtgag tgatcactaa atagaaattt taccttttca gngcccatct 2340
tttncc 2346

```

<210> 1996

<211> 2021

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<400> 1996

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gcccacgcgt ncgcccacgc gtccggcaag aggetgggaa gccatcactt accttgcact 60
gagaaagaag acaaaggcca gtatgcacag ctttctccca ctgctgtctg tgctgttctg 120
gggtgtggtg tctcacagct tcccagcgac tctagaaaca caagagcaag atgtggactt 180
agtccagaaa tacctggaaa aatactacaa cctgaagaat gatgggaggc aagttgaaaa 240
gcggagaaat agtggcccag tggttgaaaa attgaagcaa atgcaggaat tctttgggct 300
gaaagtgact gggaaaccag atgctgaaac cctgaagggtg atgaagcagc ccagatgtgg 360
agtgcctgat gtggctcagt ttgtcctcac tgaggggaac cctcgctggg agcaaacaca 420
tctgacctac aggattgaaa attacacgcc agatttgcca agagcagatg tggaccatgc 480
cattgagaaa gccttccaac tctggagtaa tgtcacacct ctgacattca ccaaggtctc 540
tgaggggtcaa gcagacatca tgatatcttt tgtcagggga gatcatcggg acaactctcc 600
ttttgatgga cctggaggaa atcttgetca tgcttttcaa ccaggcccag gtattggagg 660
ggatgctcat tttgatgaag atgaaagggtg gaccaacaat ttcagagagt acaacttaca 720
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aaccclaaaa gcgtgtgaca gtaagctaac ctttgatgct ataactacga ttcggggaga 960
agtgatgttc tttaaagaca gattctacat gcgcacaaat cccttctacc cggaagttga 1020
gctcaatttc atttctgttt tctggccaca actgccaaat gggcttgaag ctgcttacga 1080

```

1267

```

atttgccgac agagatgaag tccgggtttt caaagggaat aagtactggg ctgttcaggg 1140
acagaatgtg ctacacggat accccaagga catctacagc tcctttggct tccctagaac 1200
tgtgaagcat atcgatgctg ctctttctga ggaaaacact ggaaaaacct acttctttgt 1260
tgctaacaaa tactggaggt atgatgaata taaacgatct atggatccag gttatcccaa 1320
aatgatagca catgactttc ctggaattgg ccacaaagtt gatgcagttt tcatgaaaga 1380
tggatttttc tatttctttc atggaacaag acaatacaaa tttgatccta aaacgaagag 1440
aattttgact ctccagaaaag ctaatagctg gttcaactgc aggaaaaatt gaacattact 1500
aatttgaatg gaaaacacat ggtgtgagtc caaagraggt gttttcctga agaactgtct 1560
attttctcag tcattttttaa cctctagagt cactgataca cagaatataa tcttatttat 1620
acctcagttt gcatattttt ttactattta gaatgtagcc ctttttgtac tgatataatt 1680
tagttccaca aatggtgggt acaaaaagtc aagtttgtgg cttatggatt catataggcc 1740
agagttgcaa agatcttttc yagagtatgc aactctgacg ttgatcccag agagcagctt 1800
cagtgacaaa catatccttt caagacagaa agagacagga gacatgagtc tttgccggag 1860
gaaaagcagc tcaagaacac atgtgcagtc actggtgtca ccctggatag gcaagggata 1920
actcttctaa cacaaaataa gtgttttatg tttggaataa agtcaacctt gtttctactg 1980
ttttaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa a                2021

```

<210> 1997

<211> 1955

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (40)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (78)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (98)

<223> n equals a,t,g, or c

<400> 1997

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ccggcttccc aggcagaaga gtcganaaaa gctgtctttn tctcacgtca cccagcncag 60
gctcattaag ttcttcance tcttcccaat cattttcnca atgagcaaat tgactaagag 120
aagcaaaggt ttcttggggg tattaaccag tagtgtggaa atactagttt tatgtggcca 180

```

1268

```

aggaaaagca aaggcttttc ttttcagttt gtgttatttg gaagacagaa aaacatcttg 240
tctacatcct ttggctgttt gtaggatcac gttgtcctta cgatactgaa actttacagc 300
tgctgtaaat tttttataaa tgaatttcaa aatgttataa tgggactgta gggtgttttt 360
ctacatcttc attatttgga cctaaaacca gtttttaata agaaagttta tctttactct 420
ttctgaaatt atgactccag aaaaagaaaa aaaaaataca agtcatggaa tcagcaatct 480
ggtaagaaat gctgccaaga atgtggcagt agctgtcctg acagactcca actgtcttta 540
ctatctgaag aatcctaggc tccacatgag aggcagaaat ggatcagtct tattcttttc 600
tagaaatggg tatctgtagt ttggtagcaa aaaaaagaa aaaagaatcc ataattagca 660
gatttcttat taactatttg gatctaattg aaatggcctt attcttagga ttaagaaaga 720
tagatgtgga taccagcca ctggttccat attggtatct tttaaatcag ctctgcctct 780
taatcaagaa cctaaatatt ccctctttct aatctttgtt ccttctccct acaccctcat 840
cctctttcac tcttcttca taattcctct aagaaaaata tctttgcac agcagtaata 900
tcttttagaa tagcactatc agaatttagc agtaaaccac catacaggct tcagatttac 960
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agctcaaacg tagttaataa ggaaggtaat ttgttttct tttacctaaa agaaaagaaa 1140
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gcacagcatt agagactcat aacttttctg caagaaatac aaacttacat cttcctttta 1380
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atgacattta atgcaaatg taggaattta catgtttaca aatcatcttc aactggttgt 1500
gcagcaattc aataaaatat ctttgtatta taaaaatgtg aagaaaaaat gtaaactgat 1560
gtaaaggagg tactgtcatt ttaattaacc tatgtttaat agcttttct tctggacttt 1620
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gtgtaaatag atttgttaac tgaaatatac ttttaagaaag ataaaatctg taaataaact 1920
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```

<210> 1998

<211> 1158

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (264)

<223> n equals a,t,g, or c

<400> 1998

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gagaaggacc gcactctgac cccgctgggt cgaggacagg ctgaactcac tgggtccgc 180
tggaagcctt ggggttgaaa gtttaataaa atcgtccatt cgtctatgag cgcgccatag 240
agaccaccga tatcatcagc cggncacctg ccaggcgtct gcaaagtcag cacagatctg 300
ctgcgggaag gcgcccccat cgagccagac ccgcccgtgt ctcatggaa gccggaagct 360
gtgcagtatt acgaagacgg agcccggatc gagggccgct tccggaacta catccaccgc 420
gcagatgccg ggcaggagga ggacagttac gagatcttca tctgtcacgc caacgtcatc 480
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```


1269

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aataatggca gcatcaccca cctggtgatc cgacccaacg gccgagttgc gctcaggacc 600
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ctccttccct ctgtcctccc tgcacaggcc gcacacactt aacgttttgt tcccaaggag 720
accggcggaa agtagaaacc tgcaatgctg catctgggaa ctgacttgtg accaggctga 780
gaaggggaga gttgggatca gacagcctga cttctctgca gggttttata cctgaccatg 840
aacccccagg atggcgtggg gtttaagggtg aaagcgtctc acgcacaagt caggcctgtt 900
gtggggactt gaaagaggcc tgacccagac caccatgttc gcaccacag ctgaccctgtg 960
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atgaggaggg caccaggtt ctgttcacaa ctcacttcac ttcatacatc cttttaattt 1080
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aaaaaaaaaa aaagtttt 1158

```

<210> 1999

<211> 1127

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (182)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1090)

<223> n equals a,t,g, or c

<400> 1999

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tgtcacagac tacttcatca gtcgcttata tggagctggg accaagggtt ctgccaggcc 60
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ttcgtctctg tcctggaact cctcatccca gcttctcctt ccagagttcc aagggggaacc 600
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```

<210> 2000

<211> 478

<212> DNA

1270

<213> Homo sapiens

<220>

<221> misc feature

<222> (209)

<223> n equals a,t,g, or c

<400> 2000

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ctgcttgmma gtgccagagc ccaggcccca gagccctgct ggagaggagg cagactgagg 180
cagcaggccc cgccagcagg cgaagaggng agatgtcaga ctgctacacg gagctggaga 240
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agaacaagat cagcaagagc agcttccgcg agatgtctca gaaagagctg aaccacatgc 360
tgtcgcatcg ctgacctgct ttcctcccca ggacacaggg aaccggaagg ctgcgataa 420
gctcatccag aacctggatg ccaatcatga tgggcgcac agcttcgatg agtactgg 478

```

<210> 2001

<211> 1261

<212> DNA

<213> Homo sapiens

<400> 2001

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cccacgcgtc cgcccacgcg tccggagctc tccccggtct gacagccact ccagaggcca 60
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cagtccaatt tcaagaatat gtctttctcc aatttctggg cttagataag gcgccttcac 180
cccagaagtt ccaacctgtg ccttatatct tgaagaaaat tttccaggat cgcgaggcag 240
cagcgaccac tgggggtctcc cgagacttat gctacgtaaa ggagctgggc gtccgcggga 300
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cctgtgccag actaagatgc tcccttcag ctctcctgct ggtgggtgact ctcaacctg 780
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gtgggtgtgg gtaggatgtc agaaatggga atagaaggag tgttcttagg gtaaactctt 1200
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a 1261

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<210> 2002

<211> 1531

<212> DNA

<213> Homo sapiens

1271

<220>
 <221> misc feature
 <222> (1524)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1530)
 <223> n equals a,t,g, or c

<400> 2002
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 aatttttcaa catctagtct ctagatgtta aagaggttgc cagtgtatga caaaggagta 180
 aaattagcat attttgtaca ctttgtgttg aaattcgtag gaaaacttgt cttctgtaaa 240
 gacttttgca taggaatttg tttgaccatc tctaagcatt acacgtgcct gtacttgtcc 300
 actggattga aggagagaa ggaagggagg agggaatgat tcaaggccaa aatggccaca 360
 tttagaagat acctcagatg ataaccattg ttatgtgtgt gcaattttat ttaacagtgc 420
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 gaaatgctgt ttggaagtgg aattgttgaa ccacctggga ggtgggaggg aagaaattgc 600
 aaatggtgtt ttgccattgt ttattagaaa atttcagctt aatccattgt gtatatgtta 660
 catgcatttc atttaacttt gctatactgt atatatgtta tatataacgg acaaattagt 720
 cccgatttta taatatctag tctctagata ttaaagaggt tgccaatgta tgacagaagt 780
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<210> 2003
 <211> 2333
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (2018)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (2044)

1272

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2292)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2306)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2331)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2332)

<223> n equals a,t,g, or c

<400> 2003

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ataatcaatg aaagaaattc tatgcatggg tttgaaataa tgtccttgaa agaggaatca 180
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gtgacctggg tgggcctact ctccttccag aacctgcatt gcttcccaga cctccccact 300
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aacaattcca tgtagcaatc ttttttctgt tcacggtggt tgtgatagaa ccttaaattc 540
cgcaagcatc agttttttga aaaaatggga attgaccgga tagttacagg caaagattat 600
aaatwgctac aacatcattt aactttttata aacatgcctt ctctctattg aagacatctg 660
atattttttg tggaaagttg gatctatcct cagtaactct gccatggaat tcctgkttcc 720
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1273

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ttctcttcaa accttaataa ttataccata aagtgttaatt tttatagcaa tgcaaagtgc 1920
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<210> 2004

<211> 2399

<212> DNA

<213> Homo sapiens

<400> 2004

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agaaatgatt tttgttgctg ccacacttcc tacttttttg tatgagctta aacctatgtc 180
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1274

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<210> 2005

<211> 1916

<212> DNA

<213> Homo sapiens

<400> 2005

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tcctaacccta acccaacctt gccagctccc agccgccagc gcctgtccct gtcacggacc 180
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gttggtatgt tcagtatctc atttctcaaa gctaaagaga tatacattct ggatacttgg 1860
gaggggaata aattaaagtt ttcacactga aaaaaaaaaa aaaaaaaaaa ctcgta 1916

```

<210> 2006

<211> 1073

<212> DNA

<213> Homo sapiens

1275

<400> 2006

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cagggtgaca tcaaaggaca ggggtgcctc ttaaggtgac cttccagcca cagccctctt 1020
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```

<210> 2007

<211> 3711

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (144)

<223> n equals a,t,g, or c

<400> 2007

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tctgctgcta attgttcctc taaagtaatc gccatgcgtt cttggggctt catctttaa 300
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gccaccacac accattgctt tagcactttt acttcaaatac aatgaaggat tgataaaagt 660
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```

1276

```

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gcgcccggagt agccgcggta ccctgagcgg taggagcggg gctgtccctt ttatctaggc 3660
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```

<210> 2008

<211> 468

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

1277

<222> (434)

<223> n equals a,t,g, or c

<400> 2008

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tggggcacctg ggtccgcaag gccgccatga ccagtcctgat ggatctgaca cttctgctgg 120
ctcggagcca gcctgagctg atcgaggccc atacctgtga gcgcatcatg tgctgtgtgg 180
cccagcaggc cagtgagaag attgaccgtt tccgtgctca cgccgccagc gtgttcctga 240
cgctcctgca ctttgacagc cctcccatcc cccacgtgcc ccaccgagga gaactggaaa 300
agctgtttcc caggtccgat gtggcctccg tgaactggag tgcamcttcc caggcyttcc 360
cacgcataac castccttgg gtkgccacyt acggtwacam gtccctggtgg gggtagtcgt 420
gtccttggcg gttnaggatg acgatccgga ttcaccaagc ttttataa 468

```

<210> 2009

<211> 839

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (114)

<223> n equals a,t,g, or c

<400> 2009

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catcagagca tatcgggatg acattgattt gcaaaacctc atagacttca cccaggaata 180
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cacagattcc aatgcaagtc gagagcgatg tggcgttcca ttctcctgct gactaaaga 300
tcccgcagaa gatgtcatca aactgagtg tggctatgga tgccaggcaa aaaccagaag 360
ttgaccagca gattgtaayc tacacgaaag gcygtgtgcc ccagtttgag aagtggttgc 420
aggacaattt aaccatcgtt gctgggtattt tcataggcat gcattgctgc agatatttgg 480
gatatgccct ggcccagaat tkggtttagc atatcgaagc tgtcagggcg agctggtaga 540
ccccctgcaa ccgstgctgc aagacactgg acagaccag ctttcgggac cctcccgcgt 600
gccgaactga tcttcgagct gcatggacct aatcacagat gcagcctgca gtctcgccca 660
atggagctgc cattagggga gtgtaaaact gggaaatgct gctcactgac agaattaaaa 720
aaaaaaaaaa ccagtatgaa agtcgttgcc cctggaatct ctactgtagc catgaattta 780
tggacagtta gatgcttacc aaaaaaaaaa aaaaaaaact cgagggggggg cccgtaccc 839

```

<210> 2010

<211> 813

<212> DNA

<213> Homo sapiens

<400> 2010

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tcgacccacg cgtccggctc cccgagccct gccaacatg gtgaacttgg gtctgtcccg 60

```

1278

```

gggtggacgac gccgtggctg ccaagcaccc gggactcggg gagtatgccg catgccagtc 120
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gcagatgttc attcagagga agtttccata ccctttgcag tggagcctcc tagtggccgt 240
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atgggacacg gggtcgaagg ggcctgtaca ctctgtcatt tcctttctag cccctgcac 720
tccaacaagt ccaaggtgac agctgggtgct aggggcgtgg ggttaataaa tggcttatcc 780
ttctctccaa aaaaaaaaaa aaaaaawaaa aaa 813

```

<210> 2011

<211> 994

<212> DNA

<213> Homo sapiens

<400> 2011

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aaaggcgaag ggccccattt attgttgctc ttttacgccc cagcttacct taggctcggg 60
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gtatagggat ttgccctgag ccaagatcgc caaggaggag atcttcgggc cagtgatgca 180
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tgaagtgaag actgtcacag tcaaagtgcc tcagaagaac tcataagaat catgcaagct 480
tcctccctca gccattgatg gaaagttcag caagatcagc aacaaaacca agaaaaatga 540
tccttgctgt ctgaatatct gaaaagagaa atttttccta caaaatctct tgggtcaaga 600
aagttctaga atttgaattg ataaacatgg tgggttggct gagggtaaga gtatatgagg 660
aaccttttaa acgacaacaa tactgctagc tttcaggatg atttttaaaa aatagattca 720
aatgtgttat cctctctctg aaacgcttcc tataactcga gtttataggg gaagaaaaag 780
ctattgttta caatttatatc accattaagg caactgctac accctgcttt gtattctggg 840
ctaagattca ttaaaaaacta gctgctctta aaaaaaaaaa aaaagggcgg ccgctcgca 900
tctagaacta gtccggacgc gtgggtcgac ccgrgaattc cggaccggta cctgcaggcg 960
taccttctat agtgagtcgt attagagctt gccg 994

```

<210> 2012

<211> 1770

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (674)

1279

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (694)

<223> n equals a,t,g, or c

<400> 2012

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caggccgcaa caccatccag atcaccgtca ccgcctgctg ctgctccac ctcttcgtgc 180
tgcagctagt gcaccgcca tccgtccgct cgggtgctgca gggcctctc aaaaagcgcc 240
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tgaagtgtccc catcaccttc cgcaggatcc agctccctgc ccgaggtcat gactgtcgcc 420
acatacagtg ctttgacctg gagtcgtacc tgcagctcaa ctgtgagcgg gggacttgga 480
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tgggcatcct gatttacatt cagaactctg actatgagga gatcaccatc gacccacgt 600
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cagcactkaa gcgntkccgm accgtgagcc ccgnccacgt gctyatgtccc agcgtgatgg 720
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ctgtgcccag cagtccagct cttggaacct cgctgaatgg cagcctcttg ggggcctgga 1560
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aggcctcggg gtgggggagc tacaaagcac aacaatgtac atagtgtaga aacaytaaca 1680
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<210> 2013

<211> 707

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1280

<222> (31)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (468)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (641)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (686)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (697)
<223> n equals a,t,g, or c

<400> 2013
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<210> 2014
<211> 2440
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (28)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

1281

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2325)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2326)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (2421)
<223> n equals a,t,g, or c

<400> 2014
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tccccgcgcg ttggcccgatt cattaatgca gtggcacgac aggtttcccg actggaaagc 180
gggcagtgag cgcaacgcaa ttaatgtgag ttagctcact cattagggcac cccaggcttt 240
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aggaaacagc tatgaccatg attacgcaa gctcgaaatt aacctcact aaagggaaca 360
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gatatagttc aagccagagt aatggaagaa cttaacttac tagcctctca ggctgtcctc 840
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ccttttataa tgtcacacaa atcagggaca gtaggatcac attataacct actttgtcat 960
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1282

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<210> 2015

<211> 3302

<212> DNA

<213> Homo sapiens

<400> 2015

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1283

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<210> 2016

<211> 379

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (335)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

<400> 2016

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cgagtcgggt cagaagcctc tggattatta cagagttaac ctgaccggga ccatccagct 180
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gtacgggaac ccccagtaac ctgccccttg atgaggccca cccacgggtg twtgttacca 300
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<210> 2017

<211> 2056

1284

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2038)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2054)

<223> n equals a,t,g, or c

<400> 2017

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aaaaaaaaaa aaanaa 2056
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<210> 2018

1285

<211> 1891

<212> DNA

<213> Homo sapiens

<400> 2018

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<210> 2019

<211> 3557

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2779)

1286

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3522)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3523)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3557)

<223> n equals a,t,g, or c

<400> 2019

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1287

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aaaaaaaaaa actcgan 3557

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<210> 2020

<211> 1599

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (376)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (377)

<223> n equals a,t,g, or c

<400> 2020

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1288

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tcagctacaa cctgaacacc atgcagtatc ccagccagca gttccagccc gtggtgctgg 1500
ccaactgacc atctacctgc ccgtggggcc aggagcacc aagaccacag aaaagagaaa 1560
ggaaaggcca aaaaaaaaaa aaaaaaactc gagactagt 1599
```

<210> 2021

<211> 2593

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2348)

<223> n equals a,t,g, or c

<400> 2021

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gagaaccctg gggaccagca agaccgtgcc ttgcccggaa gtctgcctg taggcctgaa 120
ggacttgccc taacagagcc tcaacaacta cctggtgatt cctacttcag ccccttggtg 180
tgagcagctt ctcaacatga actacagcct ccacytggcc ttcgtgtgtc tgagtctctt 240
cactgaragg atgtgcatcc aggggagtc gttcaacgtc gaggtcggca gaagtgacaa 300
gctttccctg cctggctttg agaacctcac agcaggatat aacaaatttc tcaggcccaa 360
ttttggtgga gaaccgctac agatagcgct gactctggac attgcaagta tctctagcat 420
ttcagagagt aacatggact acacagccac catatacctc cgacagcgct ggatggacca 480
gcggctggtg tttgaaggca acaagagctt cactctggat gcccgcctcg tggagtctct 540
ctgggtgcca gatacttaca ttgtggagtc caagaagtcc ttcctccatg aagtcactgt 600
gggaaacagg ctcacccgcc tcttctccaa tggcaaggct ctgtatgccc tcagaatcac 660
gacaactggt gcatgtaaca tggatctgtc taaatacccc atggacacac agacatgcaa 720
gttgacagct gaaagctggg gctatgatgg aaatgatgtg gaggttcacct ggctgagagg 780
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tttcacctta gtcaccagat cgcagcagga gacaggaaat tacactagat tggctttaca 900
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ctgcattggr gtgacraccg tgttatcaat gaccacactg atgatcgggt cccgcacttc 1080
tcttcccaac accaactgct tcatcaaggc catcgatgtg tacctgggga tctgctttag 1140
```

1289

```

ctttgtgttt ggggccttgc tagaatatgc agttgctcac tacagttcct tacagcagat 1200
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caacagctcc atctccagct ttaaaccgga gatcagcttt gccagcattg aaatttccag 1320
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atactacatg tatttttgag tcaatgttaa atttcttgca tgccataggt cttcaacagg 1560
acaagataat gatgtaaatg gtatttttagg ccaagtgtgc acccacatcc aatggtgcta 1620
caagtgactg aaataatatt tgagtctttc tgctcaaaga atgaagctcc aaccattggt 1680
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attttctarc tgcttttatt cacayagtga yggggtacta aaagtactgg gttgactcrr 2460
agagtygctg tcattctgtc attgctgcta ctctaacact gagcarcact ctcccagtgg 2520
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gratgsttat tat 2593

```

<210> 2022

<211> 1688

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (168)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (235)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (802)

<223> n equals a,t,g, or c

<400> 2022

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tgccggctgg agtccggagt ccctggccta ctggccgrac cgttccgaca ccgaggtgcc 60
tcctctggac ctgggctgga cggacactgg tttctaccgc ggcgtgagcc sggtcacgct 120
cttcacccac ccgccaagg acgagaaggc gccgcacctc aagcaggngg tcaggcagat 180
gatccaacag gccagaagg tcattgctgt ggtcatggac ctcttcactg atgnggatat 240

```

1290

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ctttcaagac attgtggatg ctgcctgtaa ggcgcgggtc ccagtgtaca tcatcctgga 300
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gattcggaac atccgtgtcc gctctgtgac aggcgtcggc ttctacatgc ccatggggag 420
gatcaagggg accctgtcat caagggttct gatggtggac ggtgacaaag tggccactgg 480
atcttacagg ttacacctgga gtccctccca tgtggacaga aacctcctcc tgctcctgac 540
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ggtggacttg taccggcagc tgagcctggc gggcaggggt ggccctccatt actcctccac 660
tgtggctcga aagcttatca accccaagta cgccttgggt tcaggctgcc gccacccgcc 720
tggggagatg atkcgctggg ctgcccggca acagcgggag gcgggcggca acccggaggg 780
gcaggaggag ggcgccagcg gnggcgagtc ggcctggcgc ctggagagct tctgaaaga 840
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tccgaagcat ctcatgcaca cgcctccacc ggactgtcgg tggctgggca ggggtcagtg 1440
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agactgga 1688
```

<210> 2023

<211> 2543

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

1291

<400> 2023

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gacagtnacn gtacnggant cccggtcgac ccacgcgtcc gggctcttct ggcgccaaaa 60
tgtcgttcgt ggcagggggtt attcggcggc tggacgagac agtgggtgaac cgcacgcgcg 120
cgggggaagt tatccagcgg ccagctaattg ctatcaaaga gatgattgag aactgtttag 180
atgcaaaatc cacaagtatt caagtgattg ttaaagaggg aggcctgaag ttgattcaga 240
tccaagacaa tggcaccggg atcaggaaag aagatctgga tattgtatgt gaaaggttca 300
ctactagtaa actgcagtc tttgaggatt tagccagtat ttctacctat ggctttcgag 360
gtgaggcttt ggccagcata agccatgtgg ctcagtgtac tattacaacg aaaacagctg 420
atggaaagtg tgcatacaga gcaagttact cagatggaaa actgaaagcc cctcctaaac 480
catgtgctgg caatcaaggg acccagatca cgggtggagga ccttttttac aacatagcca 540
cgaggagaaa agcttttaaaa aatccaagtg aagaatatgg gaaaattttg gaagttgttg 600
gcaggtattc agtacacaat gcaggcatta gtttctcagt taaaaaaciaa ggagagacag 660
tagctgatgt taggacacta cccaatgcct caaccgtgga caatatcgc tccatctttg 720
gaaatgctgt tagtcgagaa ctgatagaaa ttggatgtga ggataaaacc ctgaccttca 780
aaatgaatgg ttacatatcc aatgcaaact actcagtga gaagtgcac ttcttactct 840
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cagcctattt gcccaaaaaa acacacccat tcctgtacct cagtttagaa atcagtcctc 960
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taaaaaaaaa aaaaaaaaaa aaa 2543
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<210> 2024

<211> 504

<212> DNA

<213> Homo sapiens

<220>

1292

<221> misc feature
<222> (419)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<400> 2024
ggcacagctt gtttttccaa gcagctgttt ggctttccra agcccacttt ctgtctttaa 60
raggttttaa garactacca gaccattttc caatgaatgt cttggtacca ccagacccgt 120
agttcctatt gattcatcag attttgcatt ggatattcgc atgcctgggg ttacacctaa 180
acagtccgat acatacttct gcagtgtctat gcgaatacca gtggatgagg aagccttcgt 240
gattgacttc aagcctcgag ccagcatgga tactgtccat cacatgttac tttttggatg 300
caatatgcct tcatccactg gaakttactg gttttgtgat gaaggaacct gtacagataa 360
agccaatgat tctgtatgcc tgggcgagaa atgcttcccc ctacccgggc tccccaaang 420
gtgttgggat tcagagttgg gaggagnaga ctgggaagta aatacttggt actacaggtg 480
acactaaggg ggantattaa tggc 504

<210> 2025
<211> 780
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (167)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (170)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (752)
<223> n equals a,t,g, or c

<220>

1293

<221> misc feature
 <222> (778)
 <223> n equals a,t,g, or c

<400> 2025

```

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gatgcggagt ttgttgatat cgatggaaaa tcgcatctca tcctgtncan ccgctcccan 180
gtcccatca tcctccagtg gaataaaaagc tctaagaagt ttgtcccca tggtagacatc 240
cccaacatgg aggacgtact ggctgtgaag agcttccgaa tgcaaaatac cctctacctt 300
tcccttacct gcttcatcgg ggactcccgg gtcagtgggt ggaacagtaa gcagtttgtg 360
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aatcactacc tggccctggg gagtgactat acattctctc agatatacca gtgggataaa 480
gagaagcagc tattcaaaaa gttaaaggag atttacgtgc aggcgcctcg ttcattcaca 540
gctgtctcca ccgacaggag agatttcttt ttgcatcca gtttcaaagg gaaaacaaag 600
atTTTTgaac atataattgt tgacttaagt ttgtgaagg gtggtgggtg aaactaagag 660
aaatgtagca ttagctctac aaaagaggac caagaaaaat caacaaacaa atcaaagcca 720
ggctcagagc tctgaaatta aaaagcactg anagtttag atggtttcaa acttttanc 780

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<210> 2026

<211> 2521

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (133)

<223> n equals a,t,g, or c

<400> 2026

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cccttggccg cangtgcacg gtctccggaa agtgcaggcg cccacgtccc agctggacca 180
tgggcctcc gcggaacgtg gtgaagattg ccatccagat gcgtgacgcc atccgcgacg 240
tcatccagct ggaccaggcg aagccctggc cgtgtgtctg aaggaggtgt gcgacgcgtg 300
gagcctgacg cactctgagc gttacgcctt gcagtttgcg gatgggcacc ggagatacat 360
caccgagaat aaccgcgcgg agatcaagaa tggcagcatc ctgtgcctca gcacggcccc 420
agaccttgag gctgagcagc tcttgggtgg gctgcagagt aacagtcttg aaggcgccg 480
ggaagccctg argcgcttg ttccgctggc ctcgacatg atctttgcca gggaggtcat 540
cagccgtaat gggctccaga tactaggcac catcattgaa gatggggack acctaggaga 600
ggtgctggcc ctgagcctga gggccttctc agagctcatg gagcacggcg tgggtgctctg 660
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1294

```

gccccccggt ctgctggccc tggacaacat gttgtacttc tccagaaacg cgcccagcgc 1320
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ccggggcagc atccagctga cgggtgctgt gtgtgagctg ctccgtgttg gggagccctg 1440
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gctcttctgt gtgggcatcc agctgttgaa taagacctgg aaggagatgc gggctacaca 1560
ggaggacttc gacaagggtca tgcagggtgg gcgggagcag ctggcccgcg ctctggccct 1620
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gtagaggagt gcaggcaccc tgaccagcag agattgctgc agaaataaag tctgcttggc 2460
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t

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<210> 2027

<211> 2357

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2332)

<223> n equals a,t,g, or c

<400> 2027

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gtaccggtcc ggaattcccg ggtcgaccca cgcgtccgcc cagcgctccg cggacgcgtg 120
ggctgtgact gaaatcattt tcccatatga gcagaccctg tgtgtcaggc ctgtttccca 180
tatgagcaga gcctgtgtgc aagtctgttt ctggcatgtc cctcattgag gaagggaagc 240
aaaagctggg tattgccagg cctattaaca cttaatatgc aaattctatc atcctgaaac 300
tggggcatct gagggaaaagg tgaccttgct ggatggcttt atttgcatgg ctctgcctgt 360
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tgcccaggca gaaacctctt gaagactgct gcaggcatgc tttaaaaatg accagtcact 480
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acctaggatt caaataaata gcgtcagagt cctatagcaa cctccaagta gcaccgtctt 600
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1295

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cctatagtga gtcgtattat aagctaggca ctggccgtcg ttttacaacg tcgtgactgg 2280
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<210> 2028

<211> 1783

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (94)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (95)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (97)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1296

<222> (1576)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1692)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1694)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1733)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1747)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1772)

<223> n equals a,t,g, or c

<400> 2028

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gttgcaacga cttaactctg cagttctaata gcaaaagagc catacaaaaa caatagttgt 180
gtctgtgttc caatgaatct gtacttataa aaaagggcag ggaatggatt tggcccatgg 240
accatagttt tcccatgtca gctctagact tctgcagatg gctccaatta catgtattcc 300
atcacagcag actccagggtg gcgctgtcag tectcaagtt cacatcacct agtaaattta 360
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ggcaactctt aaagaaaaaa ggtatgggga tgggctgggt atgtgccccca gggttcccca 600
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gtggagttct caccagaaaa tacagagctt cttacaactt taggattact ctacttacag 1080
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aactacaagg ccatcttggc agcaggcagc atgatgcaga cccacgggga ctttgatgtt 1200
gccctcacca aatacacagt tgtggcttgt gctgttccag aaagtcctcc actctggaat 1260
aacattggaa tgtgtttctt tggcaagaag aaatatgtgg cggccatcag ctgcctgaaa 1320
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1297

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cgagccaact acttggcacc cttcgattgg aagattctgt ataatttggg ccttgtccat 1380
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ccaaagatgg gggagctcta catgctcttg gcagtggctc tgaccaatct ggaagatata 1500
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<210> 2029

<211> 4331

<212> DNA

<213> Homo sapiens

<400> 2029

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atgccgcaag catggaatct ttatatgata tctgggagtt ctatctaccc tatttatatt 180
cctgtatatc attgatggga tgtttgttac ttctcttggtg tacaccagtt gccctttctc 240
gtatgttcac agtgatgggt cacttgctag tgaagccaac aattcttgaa gacctggatg 300
aacaaattta tatcattacc ttagaggaag aagcactcca gagacgacta aatgggctgt 360
cttcacgggt ggaatacaac ataatggagt tggaaacaaga acttgaaaat gtaaagactc 420
ttaagacaaa attagagagg cgaaaaaagg cttcagcatg ggaaagaaat ttggtgtatc 480
ccgctgttat ggttctcctt cttattgaga catccatctc ggtcctcttg gtggttgta 540
atattctttg cctattgggt gatgaaacag caatgccaaa aggaacaagg gggcctggaa 600
taggaaatgc ctctctttct acgtttgggt ttgtgggagc tgcgcttgaa atcattttga 660
ttttctatct tatggtgtcc tctgttgctg gcttctatag ctttcgattt ttggaaact 720
ttactcccaa gaaagatgac acaactatga caaagatcat tggaaattgt gtgtccatct 780
tggttttgag ctctgctctg cctgtgatgt cgagaacact gggaatcact agatttgatc 840
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gagaagaact tttcaaggcc ctagggcttc ataaacttca cttaccaaact acttcaaggg 1020
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cacctgatat ggaaaatggt agaaaaggca aactccggga cttctaaaga ttactttaa 1440
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gaaactcctc tttccgctta gaggtcccg cagggggccca attgcgtatg cgacgtcata 2040
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1298

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aaaaaaaaat t 4331
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<210> 2030

<211> 1234

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1058)

<223> n equals a,t,g, or c

<400> 2030

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aactgcggcg tcacccgggc tataagcgca cggcctcggc gaccctctcc gaccggccg 120
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1299

```

ccgccgccat gcagccctcc agccttctgc cgctcgcct ctgcctgctg gctgcacccg 180
cctccgcgct cgtcaggatc ccgctgcaca agttcacgtc catccgccgg accatgtcgg 240
agggtggggg ctctgtggag gacctgattg ccaaaggccc cgtctcaaag tactcccagg 300
cgggtgccagc cgtgaccgag gggcccatc ccgaggtgct caagaactac atggacgccc 360
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cgggctcctc caacctgtgg gtccctcca tccactgcaa actgctggac atcgcttgc 480
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tgccgctgat tcagggcgag tacatgatcc cctgtgagaa ggtgtccacc ctgcccgcga 1140
tcacactgaa gctgggaggc aaaggctaca agctgtcccc agaggactac acgctcaagg 1200
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<210> 2031

<211> 1089

<212> DNA

<213> Homo sapiens

<400> 2031

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ccacgcgtcc gataagcacc catgtctttg aatatgaatg tatttgtaaa ataccacgtt 60
tcatgtgtga atatgtgctt ttactgtaca tagtgctatt gtgcaatagg tcttatgctg 120
tttttactca atgtgtgcta agatctagcc ccattgactc ttctagaaat gcagtattgc 180
tttgacctgc catgtggcac tccacaatgt caattgcagt ttacacacat tgcctaaagt 240
gggggacacc tgggtgcccc tgacccttg gcaccggata caggccacga taaacatcct 300
ttcgtgtgtt ccttctgtg cttgtgtggc atgtgtaccc aggatgggccc tatagggtcac 360
agaggtcagt ttctctttgg ttttccagat tttctttaga acggtgactg accctcctac 420
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ttaattttgg gaattttttc acttagcctt tctggtttcc ctctctgtgc attgcccatt 600
ttctcatgga gtttcttate ttttttggtt tattctcagg agttgcttgt acattcttgg 660
gcaattgcag ataattccaa gaatgcata ttgggctggg tatggagggt cactggtaat 720
cccagcactt tgggaggccc aggcagaagg atcgctgcag cccaggagtt cgagactagc 780
ctgggcaaca tagcgagacc tcgtctctac aaaaaaaaaa taaaaagggg gctttgggag 840
gccaaggcgg gcagatcatg agggcaggag attgagaccc tctggccaa catggtgaaa 900
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agctactctg gaggtgagg caggggaatc gcttaaacc aggaggcgga gattgcagt 1020
agccaagggt ccaccactgc actccagcct ggcgacagag caaggctcca ctcaaaaaaa 1080
aaaaaaaaa 1089

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<210> 2032

<211> 983

<212> DNA

<213> Homo sapiens

1300

<220>
 <221> misc feature
 <222> (323)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (899)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (920)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (923)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (928)
 <223> n equals a,t,g, or c

<400> 2032
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 gcgttcatcc agcactgttt cggaggaatc tctatttcaa tctattccta tacattagtt 180
 attgaaaaac aacacacaat cgcaaaaaca agttgacctt tttgtgttcc ttgagaccga 240
 taatgaaggg ccctcgtgac cggacctcat gccaaacaac tcgttacaaa aagagctagg 300
 gtcccagctg cgctgaagct tcntgagacc tctcctcatc tgtgcatgga tgagtggccg 360
 actytgagc ccaggctgtt rcttcctrgt ctggtggtga atcctccata gtctgagagt 420
 aagatccttg ataactggctc agcatggaac atctggcaca cagtatgcac tgaggaaata 480
 cttgttgga taatcagtga atcatagatg aaaacttaac cttggaatta attatgagac 540
 tgctcagagg aagagaatgg gagacaaagg acctggtgat tagaccccca agacactggg 600
 ctgtctgctt gtgtctcggg tggaacaggc ccagcgagag tctttagggc cagaactcaa 660
 gaatttattg agcccttggt ctaggcactt gggattcacc agtatacaat ggagacaaaa 720
 atccctgccc tggagcagct tacattctag catggcaaac aggcagtaaa cagccattc 780
 tggctgctgt attgagaaga gaatgtggtg gacagatata gaagcatgga aacctgatag 840
 grctattgca atcactcaga aaagaggcga tggcagcttg gacctgttg aagcagtana 900
 gtgccctact cttcagcttn canggganga gaaaggacct gaaagggttaa ttttgatcac 960
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<210> 2033
 <211> 722
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature

1301

<222> (637)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (675)

<223> n equals a,t,g, or c

<400> 2033

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gccgtgtcct tcccgccgcc ccgggtcacc ctgcccgccg gcccgcacat cctgcggacc 180
tactcgggcg ccttcgtctg cctggagatt ctgttcgggg gtcttgtctg gatcttggtt 240
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gcgtttttct tttcgctcct ctttctgggc atgttctctt ctggcatggg ggctcaaatt 360
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ggagcctttt tattggaagc agcagccaca tccctgcatg atttgcatg caatacaacc 480
ataaccgggc agccactcct gaggataaac cagtataaca taaacgtagc agyctcaatt 540
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gcgaccgcta acactttctt agaaaactgg cagtcgnatg ttaggtttca ctttgctact 660
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ca
722

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<210> 2034

<211> 555

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (357)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (492)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (528)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (542)

<223> n equals a,t,g, or c

<400> 2034

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ctggcgmttc gtctccttac cctggggcta cccttgcccc gtctactgc ccgcgggttaa 120

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1302

cccgccgcga gccgcctctc ccctccccgc ccgactcaac cctgccctcc cccgtgcttt 180
gcagacgccg yccggggggc caggcggctg atgcgtgtgg gcctcgcgct gatcttggtg 240
ggccacgtga acctgctgct gggggccgtg ctgcatggca ccgtcctgcy gcacgtggcc 300
aatccccgcg gcgctgtcac gccggagtac accgtagcca atgtcatctc tgtcggntcg 360
gggctgctga gcgtttccgt gggacttgtg gccctcctgg cgtcaggaac cttcttcgcc 420
ctccactgac tgggtcctgc tggcactagc tctggtgaac ctgctcttgt cgttgccctg 480
tccttggggc tncctcttgc tgtgtcactc actggggcca acggtggncc gcggcttatt 540
gntgactggc accca 555

<210> 2035

<211> 1084

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (59)

<223> n equals a,t,g, or c

<400> 2035

gccatccctg gctgtggcca aaatcatcat cattgaattc aaccccatgt accccaaana 60
caatgacatc gccctcatga agctgcagtt cccactcact ttctcaggca cagtcaggcc 120
catctgtctg cccttctttg atgaggagct cactccagcc accccactct ggatcattgg 180
atggggcttt acgaagcaga atggagggaa gatgtctgac atactgctgc aggcgtcagt 240
ccaggtcatt gacagcacac ggtgcaatgc agacgatgcg taccaggggg aagtcaccga 300
gaagatgatg tgtgcaggca tcccgggaagg ggggtgtggac acctgccagg gtgacagtgg 360
tgggccccctg atgtaccaat ctgaccagtg gcatgtggtg ggcacgtta gctggggcta 420
tggctgcggg ggcccagca ccccaggagt atacaccaag gtctcagcct atctcaactg 480
gatctacaat gtctggaagg ctgagctgta atgctgctgc ccctttgcag tgctgggagc 540
cgcttccctc ctgcctcgcc cacctgggga tccccaaaag tcagacacag agcaagagtc 600
cccttgggta caccctctg cccacagcct cagcatttct tggagcagca aagggcctca 660
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gtaaaagccc agatcactgt gggctggaga ggagaaggaa agggctctgc ccagccctgt 900
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tgccctactg ttggtatgac taccgttacc tactgttgtc attgttatta cagctatggc 1020
cactattatt aaagagctgt gtaacatmaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1080
aaaa 1084

<210> 2036

<211> 345

<212> DNA

<213> Homo sapiens

<400> 2036

aaacattaca atattctcaa aaaaatccat atccatcacc attgcatatg cagtattact 60
ggttggtttg atgtaaatga cgtttaaagg tttattttta aaagtgtgca tattcaacat 120
aaagaaagaa aaaatctaac gaatttaaag tctgctgtaa tcctagcaca cgtgaacaca 180
atattaatat cttgggttat ttattttctg atgttcgtga gcatatatat atatatatat 240
atatatatat atatatatat atatatatat atatatatat atatatatataw 300

1303

atccccctcta gcaaattggcc tgtaatatgct tgtaagcatt ttttc

345

<210> 2037

<211> 1214

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1214)

<223> n equals a,t,g, or c

<400> 2037

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ccactcattc atcgacctcc ccaccccatc caacatctcc gcatgatgaa acttcggctc 120
actccttggc gcctgcctga tcctccaaat caccacagga ctattcctag ccattgacta 180
ctcaccagac gcctcaaccg cctttttcatc aatcgcccac atcactcgag acgtaaatta 240
tggttgaatc atccgctacc ttcacgcca tggcgccctca atattcttta tctgcctctt 300
cctacacatc gggcgaggcc tatattacgg atcattttctc tactcagaaa cctgaaacat 360
cggcattatc ctctgcttg caactatagc aacagccttc ataggctatg tcctcccgtg 420
aggccaaata tcattctgag gggccacagt aattacaaac ttactatccg scatcccata 480
cattgggaca gacctagtgc aatgaatctg aggaggctac tcagtagaca gtcccaccct 540
cacacgattc tttacctttc acttcatctt gcccttcatt attgcagccc tagcagcact 600
ccacctccta ttcttgacag aaacgggatc aaacaacccc ctaggaatca cctcccattc 660
cgataaaatc accttccacc ctactacac aatcaaagac gccctcggct tacttctctt 720
ccttctctcc ttaatgacat taacactatt ctcaccagac ctcttaggag acccagacaa 780
ttataacccta gccaaaccct taaacacccc tccccacatc aagcccgaat gatatttcct 840
attcgcctac acaattctcc gatccgtccc taacaaacta ggaggcgctc ttgccctatt 900
actatccatc ctcatcctag caataatccc catcctccat atatccaaac aacaaagcat 960
aatatttctc ccactaagcc aatcacttta ttgactccta gccgcagacc tcctcattct 1020
aacctgaatc ggaggacaac cagtaagcta cccttttacc atcattggac aagtagcatt 1080
cgtactatac ttcacaacaa tcctaatect aataccaact atctccctaa ttggaaaaca 1140
aaataactca atgggcctaa aaaaaaaaaa aaaaaacycg gggggggggc gggtwcccaa 1200
tttccccctc aggn
1214

```

<210> 2038

<211> 456

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (448)

<223> n equals a,t,g, or c

<400> 2038

```

aataatatat cctgtcgtt ttgttttttc tttttaagac ttgggcccggg tgtgggtggct 60
cacgcgttta atcccaaagt gctgagatta cgcccggcct aaatattact ttcaaataga 120
accatcttca tgggtagcag tttataatac acaagtagaa tttgggaaat gtagtcccag 180
tcttccattc ttcacagtgg atgcttcagc cagtttctct tctctgcaca cacactgccc 240
gacagcgggc tttcccttct ccttcagagc agtagcagtt ccctttcttc attcccaccc 300

```

1304

atcacagtgg cagccccctc tgcctcctg tattctgaat cccaccctta taatatgctt 360
agattttgcc tttctcccag ccgttttctg agcattgttc gtgtgtacca attttttctc 420
atccttttaa aaaaaaaaaa aaaaactngg gggggg 456

<210> 2039

<211> 594

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (577)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (588)

<223> n equals a,t,g, or c

<400> 2039

gggtcgaccc acgcgtccga aaaactgttn gggagcttga caaaggcatg caggagagac 60
aggagcagcc acagccagga gggagagcct tccccaagca aacaatccag agcagctgtg 120
caaacaacgg tgcataaatg aggcctcctg gaccatgaag cgagtcctga gctgcgtccc 180
ggagcccacg gtggtcatgg ctgccagagc gctctgcatg ctggggctgg tcctggcctt 240
gctgtcctcc agctctgctg aggagtacgt gggcctgtct gcaaaccagt gtgccgtgcc 300
agccaaggac aggggtggact gcggctaccc ccatgtcacc cccaaggagt gcaacaaccg 360
gggctgctgc tttgactcca ggatccctgg agtgccttgg tgtttcaagc ccctgcagga 420
agcagaatgc accttctgag gcacctccag ctgccccggc cgggggatgc gargctcgga 480
gcacccttgc ccggtgtgat tgctgcaggc actgttcac tcactttttg tccttgktcc 540
ggaagcgctt ttgctgaagt catattggac ctgatgntta acaataangt ccat 594

<210> 2040

<211> 653

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

1305

<220>
 <221> misc feature
 <222> (18)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (566)
 <223> n equals a,t,g, or c

<400> 2040
 gcttntacgc ctgcagcnac cgggtccggaa ttccccgggtc gacccacgcg tcgggcgtccc 60
 ggagcccacg gtgggtcatgg ctgccagagc gctctgcatg ctggggctgg tcctggcctt 120
 gctgtcctcc agctctgctg aggagtacgt gggcctgtct gcaaaccagt gtgccgtgcc 180
 agccaaggac aggggtggact gcggctaccc ccatgtcacc cccaaggagt gcaacaaccg 240
 gggctgctgc tttgactcca ggatccctgg agtgccttgg tgtttcaagc ccctgcagga 300
 agcagaatgc accttctgag gcacctccag ctgcccccg cggggggatg cgaggctcgg 360
 agcacccttg cccggctgtg attgctgcc a ggcactgttc atctcagctt ttctgtccct 420
 ttgctcccg caagcgcttc tgctgaaagt tcatatctgg agcctgatgt cttaacgaat 480
 aaagggtcca tgctccaccc gaggacagtt cttcgtgcct gagactttct gaggttgtgc 540
 tttatttctg ctgcgtcgtg ggasanggcg gkaggggtgc aggggagagt ctgccaggcc 600
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<210> 2041
 <211> 1916
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (1766)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1883)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1911)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1912)
 <223> n equals a,t,g, or c

<400> 2041
 tcccaagaca ggattatgaa tactccacca gctgttgtgt cagtatatga ctgctgctgc 60
 tcctatgcaa gggaacctac attcctcagt acacgcctgt scctccgaca gctgtttcta 120

1306

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ttgarggtgt tgttgctgat acctctcccc agacagtggc accttcatcc caggacacca 180
gtggtcagca gcaacagata gcagtggaca catccaacga acatgcacct gcatattctt 240
accaacagtc taaaccataa acaggactga agaattgttg tytgaatctt tgccttgaat 300
gaagaaactt cattgaacaa gaagttggct tccagtttgc acagacgtca atggaatgca 360
tttttttght gktgktgktg tttttttttt agtgktatac cttacccaat gaaagcaaag 420
tttttatgtg ctgtgcaa at ggtcttcatg tggctctgaca atttattttt gccatcattt 480
ttttaattaa agaaaaaatt tccagaagag gaaaaaaaaa ctacaaaaaa caaaacattg 540
aaggttgata ttttatgtgg aagaacattt gaattgaatt cagaattttt ctgaagggtg 600
agatactttt tttttttttt ttaacagaaa acctgatgtc aagagggtggg caatagaaat 660
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tctagtgggt tttttatttt attttttctt agaaatatgt aggttaagggt tatcttgaat 780
cttaattgcc ttaattttta ggacgtcaaa ggctctcgag gcaagctgtc aacgtcttgt 840
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taagactatg agtttttagg gtgaagaaaa aactgtacag tttaaatgaa aatgtttttc 960
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cattgcaaaa cctagcttaa gagcattaaa aaaaaaaact taagtagata gkagcttatg 1320
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ctagctctct tgaaggkgac acctgtgtgg gatgggccac tgatatgtgg agaccctgg 1860
ttaacaaggt gaaaattcct ttnccggtgg aacctttgga acctaaaagg nncctt 1916
```

<210> 2042

<211> 1595

<212> DNA

<213> Homo sapiens

<400> 2042

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caaaatacaa tctctgtact ttaaagttat tttagtcatg aaattttata tgcagagaga 180
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caagcaattc tgggtggaaag tcaaacctgt cagtgtcca caccagggt gtggtcctcc 300
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agattcaggg agactgacca ccaagggata gtgtaaaagg acattttctc agttgggtcc 420
atcagcagtt tttcttctct catttattgt tgaaaactat tgtttcattt cttcttttat 480
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atacactacg aatttgtatt aaacacatca gaatatctcc aaatacaaca tagtatagtc 600
ctgaatatgt acttttaaca caagagagac tattcaataa aaactcactg ggtctttcat 660
gtctttaagc taagtaagtg ttcagaaggt tcttttttat attgtcctcc acctccatca 720
ttttcaataa aagatagggc ttttgcctcc ttgttcttgg agggaccatt attacatctc 780
tgaactacct ttgtatccaa catgttttaa atccttaaat gaattgcttt ctcccaaaaa 840
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1307

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aagcacaata taaagaaaca caagatttaa ttatttttct acttgggggg aaaaaaagtc 900
ctcatgtaga agcaccact tttgcaatgt tgttctaagc tatctatcta wctctcagcc 960
catgataaag ttccttaagc tgggtgattcc taatcaagga caagccaccc tagtgtctca 1020
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agttcttttg gctaacaaat catttttgaa ataaagattt ttactacaa aaatgaaatt 1260
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cagacattgg gtcactcact ggtcaccttg ccagtgcatt ttattagaag ggaatctgtt 1500
gtagcaaatg ggaataaacc tgggttttcta tagaccaga actgaaaaaa taaacatcgt 1560
gctgttttta atttgaaaaa aaaaaaaaaa aaaat 1595

```

<210> 2043

<211> 1061

<212> DNA

<213> Homo sapiens

<400> 2043

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ggccgggac cgggggggcg ggttgggtcta cgctgtgcgc ggcggacgtc ggaggcagcg 60
gggagcggag cgggggccgcc ggggcctctc cagggccgca gcggcagcag ttggggcccc 120
cgccccggcc ggccggaccga agaacgcagg aagggggccg gggggacccg cccccggccg 180
gccgcagcca tgaactccaa cgtggagaac ctacccccgc acatcatccg cctggtgtac 240
aaggaggtga cgacactgac cgcagaccca cccgatggca tcaaggtctt tcccaacgag 300
gaggacctca ccgacctcca ggtaaccatc gagggccctg aggggacccc atatgctgga 360
ggtctgttcc gcatgaaact cctgctgggg aaggacttcc ctgcctcccc acccaagggc 420
tacttctctga ccaagatctt ccacccgaac gtgggcgcca atggcgagat ctgctcaac 480
gtgctcaaga gggactggac ggctgagctg ggcatccgac acgtactgct gaccatcaag 540
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aagcatgctg gcgagcgcg taagaagctg gcggccaaga aaaagacgga caagaagsgg 840
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tccccctcct ccaactctgt ctctaagtta tttaaattat ggctggggtc ggggagggta 960
cagggggcac tgggacctgg atttgttttt cttaaataag ttggaaaagc aaaaaaaaaa 1020
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa agtcgtatcg a 1061

```

<210> 2044

<211> 653

<212> DNA

<213> Homo sapiens

<400> 2044

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ggcacgagcg gatgtctaac ctactgacc ggcaagtcaa aatctgggtc cagaatcgca 60
ggatgaaaga aaagaaactg aacagagacc gtctgcagta ttctactgga aacccttat 120
tttgagagct ccaggaagcg cctcaccctc agccccactc acccaccctc ctccccacca 180
gcctgtctct cgcagccctc tgccttggg tttaatgacg tctcttctct gtggaayttc 240
acgattcctt cccacgggtc actcgggacc tcccagcgac cactgcagcc tgcggacgag 300
gccgggactt ggccgagcgg atcctaataa ggggaaaatg gtaaatgcaa acgtcccgtt 360

```

1308

```

acaatttttac cgccagtgtg ctgtcgttcc ccctcccccmt ctccgagtcc tcgtggggac 420
acggcggggt ctgtaggaag ttggggccggg ttggggggttg ctagaaggcg ctgggtgtttt 480
gctctgagtt ttaagagatc ccttccttcc tcttcggtga atgcaggtta tttaaacttt 540
gggaaatgta ctttttagtct gtcatatcaa ggcatgagtc actgtctttt tttgtgtgaa 600
taaattggttt ctagtaaaat gaaarwaaaa aaaaaaaaaa aaaaaagtcg acc 653

```

<210> 2045

<211> 356

<212> DNA

<213> Homo sapiens

<400> 2045

```

cggggcagaa agggcgcaaa ktgttggttaa aaaagcagac atgatcaacr raaatatgac 60
tcatcaggtc caagctgaga gagatgcact ggcactaagc aaaagcccat tcattgkcca 120
tttgtattat tcaactgcagt ctgcaaacaa tgtctacttg gtaatggaat atcttatttg 180
gggagatgtc aagtctctcc tacatatata tggttatttt gatgaagaga tggctgtgaa 240
atatatttct gaagtagcac tggctctaga ctaccttcac agacatggaa tcatccacag 300
ggacttgaaa ccggacaata tgcttatttc taatgagggg catattaaac tgacgg 356

```

<210> 2046

<211> 1439

<212> DNA

<213> Homo sapiens

<400> 2046

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tcccagctgg ccctgcccct ctaccctccc tgccctgagca cttacctcct tagatggagg 60
ccgagacccc aagtactgag gtgccacctg acccagagcc tgggtgtacct ctgacacccc 120
catcccaaca ccaggaggcc ggtgctgggg acctgtgtgc actttgtggg gaacacctct 180
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ccacagcctc gcaggagggg gccggtcctg ttccagatcc cageccagccc acccgtcggc 480
agatccgcct ctccagcccg gagcgccagc ggttgctcct ccttaacctt acccctgacc 540
cggaaatgga gcctccaccc aagcctcccc gcagctgctc cgccttggcc cgccacgccc 600
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cccagggcta gacgaggggt ggccgtctgc tttcgttccc acaaagaaag cacctacccc 1320
cagcacagtg ccacccctgt tcatctgggc tgccctggcag agagccttgc tgtttacaat 1380
taaaatgttt ctgccacaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 1439

```

<210> 2047

1309

<211> 586
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (576)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (584)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (585)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (586)
 <223> n equals a,t,g, or c

<400> 2047
 cctgcaggta ccggtccgga attccccgggt cgacccacgc gtccggaaga atttaaactw 60
 agagaatgat taataaagtg gaaaatatcc aaagagtgtg aaataatttg gggagaaagt 120
 tgcaaaatgt ggagtttctt tacaacaaat attttcagtc catcagatgt ctacatgttt 180
 tatgatctaa aataccagac aatgggtctgt gatatcatgg gactaccatt agcccagaaa 240
 aggttgcttc tttcatctgc ttgcctaata accataggct ggtcattact ttctctgaac 300
 ttttattttc tcataattct gggttgctata agactcaaga gagaatgcac atgggaaagg 360
 attttaaaaa ctgatcaatc tgtaaaatgt catgtattgg aaaagataaa gtaaaattca 420
 taccagtatc ctaagtctcc actaaatgat aaaaaccgta cataattatg tctgttgatt 480
 cccatagtaa ccatatgaaa cagatatattat tcctatctca aatttaggga taaaaaccag 540
 taggactgag gacattaagt aaattatcac agctcncsgg gggnnn 586

<210> 2048
 <211> 895
 <212> DNA
 <213> Homo sapiens

<400> 2048
 gcctgcagggt accggtccgg aattccccggg tcgacccacg cgtccgcgaa aaatcagttk 60
 gcaatataca gtgtgggaac tgtactgtga tcattgggta accaagatgg gtgacagttt 120
 atgatttcaa agactcaaaag gcggcttgag tcctacaatg tcctactcat aaaaatggaa 180
 agcatggcag cctcagggtt ttacagagta ctctactcca aagtaaaagt tattctctga 240
 gaaagtgctt actgcctttt ctgttctcta gtttgcttgt ttaaacattt actccacaaa 300
 attgctcaaa cttacccatc tttgaatatc tagcctctgg gatgagacag atgatctttc 360
 tccgtttttca ctttttatag aatacagcta cctaccagg caatatgaag attttatttg 420
 tagaacctgc cattttcctt agtgcatttg ctatgacttt gaccgggtcca ctgacaacgc 480
 aatatgttta tcggagaata tgggaagaaa ctggcaacta cactttttca tctgatagca 540

1310

```

atatttctga gtgtgaaaaa aacaaaagca gcccaatttt tgcattccag gaggtaagaa 600
attacaatat ccatagtatt taataaaatg ggaatgtata ccgggctttg agtcaaagag 660
gaccgtgaac tcatcatcca ttggtctctc tagggcggcc atcaaagtcc taaatcccaa 720
acctaattggc ctttactggg aactcacctc atttgaagtt tctgacacc tttcaaattc 780
gcctcttctt cttaaaacac cctcctgctc tgtgacacta gctcttctcc tttctctcgg 840
aaaatttcac cacagtgtca tctcttctgt ggctgtctcc ttgctttgtc ctaaa 895

```

<210> 2049

<211> 143

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (130)

<223> n equals a,t,g, or c

<400> 2049

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tttatgatat ggaattcaat acacccttc agtggtataa agacattcct ggatttcttt 60
aggatagggt cagagttggt ttactatctg gccttcagtt tttaaaaggg gcgattcttt 120
gatatagcan tagcgtcaat ttt 143

```

<210> 2050

<211> 576

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (573)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (574)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (575)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (576)

<223> n equals a,t,g, or c

<400> 2050

```

gagctccacc gcggtggcgg ccgctctaga actagtggat cccccgktct gcaggaattc 60
atatgatgcc gcccgtaac tcgacaagct ttacgtgacg gggctatagc tcagctggga 120
gagcgcttgc atggcatgca agaggtcagc gggtcgatcc cgcttagctc caccaaattt 180

```

1311

```

tgcacccagc aaacttggtg cgtaaacgca tcgtggggct atagctcagc tgggagagcg 240
cttgcatggc atgcaagagg tcagcgggtc gatcccgctt agctccacca aatttccaac 300
cctcgctgca aagsgggggt tttttgtctc tgctttttgc cgcttttgta atacagtcta 360
cgtcgggggt agtgccgcct ggtgaaagca tcattggatg aaaaatcggc aacaggctgg 420
ccccctgttt gcttcgcgat gcgaataaac ttattatttg tgtgcctgaa aaccccgatc 480
agtgaagata gtgtactcat gtttgtggag cataacctga taaaaaatat caagatatc 540
acactagcgt ttacgctcac cgtgtmcggg ggnnnnn 576

```

<210> 2051
 <211> 580
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (577)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (578)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (579)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (580)
 <223> n equals a,t,g, or c

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<400> 2051
gagctccacc gcggtggcgg ccgctctaga actagtggat ccccggtct gcaggaattc 60
ggcagcagta acaaacctta cctttgttta aggtgctttt tctggctctc tgccattaag 120
atctacattt tccacctgt ctctctagg acctgagggt tatctcttg atatgcaaat 180
gccagggaga ttactcacca gaagaagaag aagaaataga gctaattgga aattgagcaa 240
ataaaaaaat cttgtttttt ctcccagaaa cagtgaaaag ctttagccat ctttagata 300
atcttaactt gttccatctg ccagaaacac aatttggatt cagaaattct ttatgaactg 360
ttttgtatt attgtacctg gcacatggct acagttttca aatgaaaact gtgaaatctg 420
cttctgtctg tattttatgt atgtctgtgt atgcatgtat gtgtaatat tttctacctc 480
tagagactat cctaaaatta acttataaag agctgtattt aattgcctta aagaaaaagc 540
acttatacaa attaagtatt ttttaaacyc gggggggnnnn 580

```

<210> 2052
 <211> 571
 <212> DNA
 <213> Homo sapiens

<220>

1312

<221> misc feature
 <222> (487)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (525)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (561)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (571)
 <223> n equals a,t,g, or c

<400> 2052
 gcggccgctc tagaactagt ggatcccccg ggctgcagga attcggcacg wtggagaaag 60
 ctcccagtg ggaactgggc ttctggagac tctgtgtggc atagagtgat tcaaccacct 120
 taagaagacc tctggctttc ctggaacaca gatgtcgaga catctcccat ggatttgtga 180
 tcagcgttgc agctctccca gcagccctgg acggtgactc tcctctcttg gaatgcatcc 240
 tgaagcagct gaaaaggggt gccccgggccc cagcagggag caaaatctgg tgatattgct 300
 tctgaacatc ccacatgtgc cacacacgtg cccccccca cacacacaca tgcacactca 360
 catgcacact cacatgcaca ctcacatgca cactcacatg cacactcaca tgcacactca 420
 catgcacact cacatgcaca ctcacatgca cacacagcct ggactctgtt ccccttatgc 480
 ccctggnacc aactccatc aaagccattg acctttatat ccccntgtgt cttcagtaag 540
 aaggtatatc aggccagacc nccggggggg n 571

<210> 2053
 <211> 807
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (57)
 <223> n equals a,t,g, or c

<400> 2053
 gagctccacc gcggtggcgg ccgctctaga actagtggat cccccgggct gcagganttc 60
 ggcacgagct cgtgccgaat tcggcacgag aaaagatatatt gtatatgaac ttcaactcta 120
 caactcagta aatgaactg tgatcaggag aataaggaaa tgttcagtggt attacttggt 180
 ggttgtaatc aatggaaaca ctaaaaacat aaaatatgca tgcactatgc ttccttaaag 240
 taaaattttc ctttaccagg aggagaaaag caaagagtag caattgcaag agccattttg 300
 aaggaccccc cagtcatact ctatgatgaa gctacttcat cgttagattc gattactgaa 360
 gagactattc ttggtgccat gaaggatgtg gtcaaacaca gaacttctat tttcattgca 420
 cacagattgt caacagtggg tgatgcagat gaaatcattg tcttggatca gggtaaggta 480
 gccgaacgtg gtaccaccca tggtttgctt gctaaccctc atagtatcta ttcagaaatg 540

1313

```

tggcatacac agagcagccg tgtgcagaac catgataacc ccaaattggga agcaaagaaa 600
gaaaatatat ccaaagagga ggaaagaaag aaactacaag aagaaattgt caatagtgtg 660
aaaggctgtg gaaactgttc gtgctaagtc acataagaca ttttcttttt ttgttggttt 720
ggactacata tttgactga agcagaattg ttttattaaa aaaatcatac attcccaaaa 780
aaaaaaaaaa aaaaaaaaaa aaaaaaa 807

```

<210> 2054

<211> 843

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (48)

<223> n equals a,t,g, or c

<400> 2054

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cccatcctga tccaagtgcc cttattcaag gtgttgctga tattttgncc ttcactgccc 60
actcatartg argcaaatta ycattttctg kgaacacagc tcagattttg gctggaatgg 120
ctatggctta tgcagtggca acttcttggt gtagtcttwt tgcaaactct gattcttcag 180
caatatcaac gttttaacat gtcacctca gcaaaagtta agacagctgt aaatggactg 240
atctacaaaa aggccctact tttatcaaat gtttctcrac aaaagttttc cactggggaa 300
attattaact tgatgtcagc aactcatgga cttgacagca aacctcaatc tcctctggtc 360
tgcccccttt caaatcctaa tggccgtata tctccttttg caagagctgg gtccagcagt 420
gttagcaggg gtggcagtc tttgtgttgt tataccaata aatgctttag ctgcaactaa 480
aataaaaaag ttaaagggtgt ccctggcaac cttgtgtgtc tatttcttac tggatgaagg 540
aaacatttta acagccacta aagtgttcac atcgatgtct ttgtttaata ttttaaggat 600
tcctctgttt gagttaccaa ccgtgatctc agctgtggtc cagacaaaga tatccctggg 660
ccgtttggaa gactttctca aactgagga gcttcttctt caaagtattg aaacgaacta 720
tacaggagat catgctattg ggtttacaga tgcttctttc tcctgggata aaacaggaat 780
gccagttcta aaagaggctc tgtggcctat gkttctcaac aagcctggat tcaaaattgc 840
cgg 843

```

<210> 2055

<211> 753

<212> DNA

<213> Homo sapiens

<400> 2055

```

gcctgcaggt accggtccgg aattcccggg tgcacccagc cgtccggcca aatgctatca 60
tgaacgtagg aaacttgatt tttttgtttt gatcatggcc tctacatgca cttttccaga 120
gtggtctctt ctcaggccct ttttagtccc ttcccaaagc tgccccacc accctgctcc 180
tctggcctca gtgcacagtg gccccagcc tgggccaggc ctgctctgct cagcgccac 240
cgcccaccac cctcctgtct tccccgagcc tgacctgtt cggccactg gcaatcaggg 300
ctgcgcactt cctgtctcac ggtccccagg ccttctgtc ttgtcccttt tgatcattat 360
taactcaggg tttcagctcc aacctcgctg agttggtgca gctccaggtc attcctgggg 420
tgggaatcgg atcatccctg actcagcttw taccttaatt ttatttgcag aggattcttt 480
tctcaaaatg ctctggcatt tggacacaca tcacatgtcg atatttgcag aggagtcatt 540
ttcagtggaa taacattttt aatgtgtggt tttacggttc aagggaactac ttgatgattt 600
tgaggaaaca cttgccagaa actaaattaa cgaataaaaag atttcagtgc ccgaaaaaaa 660
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 720

```

1314

aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaa

753

<210> 2056

<211> 4016

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<400> 2056

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cngacactat ntaaggtagc cctgcagggtg accggtaccg gaattcccgg gtacgaccca 60
cgcgtccgtt tctgaagcaa tgttaatcct actagccaag catatcactt agtccccact 120
gtgagatgag ggatatgtgc ttaaattgtg aaacaaatat atgagtcagg tatttttctt 180
ttgagtccaa gtggtttatg actttctttc ctgtgttctt tgtatatgtg ggagttttat 240
aattttttat caagaatgaa aggttggcct gtgttcttac tgggtgcaggc tgtcacattt 300
ctctctgttg cccagtcagg tgctatggca tgtgctgctt ctggcgtagt gtactctgtg 360
gatgtaccag catgttcttc aaggatcatga ctgattttcc agacctttgg aattgagata 420
aatgttaaat ttgtagctat ctctgaattt cttccagata cttttcttca tttgtttgtt 480
tgtagggtaa acatacctga tagcagcaat ttaagcatac ccttagaatg accatgtatg 540
gccagtgcac ctgaatgtgt gttccaaggt agggaaatcca ggaatggcca actcggagat 600
tcatttcctta ctatgataaa tatctgagcc ccctgctcat cctgtggaac atgggcttat 660
tggggattaa ggccctgagt tttagggttaa atgaagggtta ccagatggag gtcattaggg 720
ggagggtgtt aaatgaaaat gctttataaa ctgcatgctg tttgcaagca gttgcagttt 780
tcctgcccag cccgcagcca ctggccatgc agtcatgttg tccagcctgc cggccactgga 840
ccatttctgt acataaggca gttctcctgt ccgcctgccca ccagttctcc actctctccc 900
catatgtaag cccctagtaa accccatgtc tcatttctgt cctctgggtc ttttcttcag 960
cctcttgaa ctagtgccct ccctgctgag gttaataggg gtacagcaca acagtgttgt 1020
aacacagaaa gtgatattta cagggatatc tctctcaca tatctcttag gaaaggtaaa 1080
taaaatgttc acaacttgta ggtgagtaat tccttagata agttgtttct taacttggga 1140
ggagtttggg aaggaacctc agcaggctgc agaggctggg catgggagct tgtcatggct 1200
ggaagttgaa atggtcaact ccaggcagat ctctggggc aaagcagcct ccaccaccag 1260
tagcccttcc tttctgttgc tttcatagcc ccactgctcc atctgaagcc tgaacccctt 1320
ccagaaaatt gatggataga tttttttttt cggctatata tagttttaga ggttagaact 1380
agatataatt tcaagtctag aagatttctc cttccccaga aatgattggg ttttgtgcag 1440
aggccccgtc aaaatagtac cgggagactt agactgagtt cactcatcac taacaattaa 1500
ctttataaac attcaacaag taggacaact attattactg ttactcagaa cccttcgctc 1560
tgtatataca gtttgattta agatgccaca tttacatggc attttcaacc ttcaaaactc 1620
agcagatttt aaaactaggt ggatgaaaat agaatacttc taataaatgt agtgtgtcag 1680
atttgaaaaa tcatattggtg agcaggatct ctgtaaagtt atatgggcca cgtatacaag 1740
acgtaactga agaaaaattaa ttcaacagag catgccgtac ttgaacgaca tagagattta 1800
ctcgaactga actaactcaa gctgcagaac tccgagcaag cctggattgt aaagtctggg 1860
tgaaaataga tggagtatgc ctgactgaac ctctgtactg ccccatatgc tatacagggtg 1920
ggggattgga tggctgttag gtgatcattg cattctcttt tggatcccta ttgagaagaa 1980
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1315

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atgataagag agggaaagga tatggggcaa gaacagtctg aaaaagaaag gataaagttc 2040
tcagactctc ttcacactct aagaagaact ttctgaaaag cttggattag gtctggcaat 2100
ggatataata agcaaaggac tcttggaatg tgttcttggc tcttagcccc acctctgact 2160
ttgagcaaat cagctgattt ctctgcctgt aaaataatag tccctctgat attaatactt 2220
acctcatgag gttattttaga ggatagtgtt ggtaataatg ctttgtgttt acatcattcc 2280
tttcacagag agctcaaagc actttacatg cattgagaga gaagcttctc gtgaagagta 2340
aatagaagtg ttcacttttt ggaaatgaac ttaggccata agagcctgaa tttaatgcat 2400
tgcaggaaga aatatggtac atagtgatcc agtgggtcaa ctgaattttt tgttccacta 2460
agagtccctt cctggctccg tgttttgaaa attaaggaga aataagagtg agtccctaca 2520
cctggatggg aaatcccaca tatgcaattg gaatgggtctc tcacgacaca tgcagagatt 2580
gaagaacagt ctggacattt tttgataacg ttctttgggc cttggtagta gctgaaagac 2640
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gtagatgtgg agtggtttat ctgtttatct cacctcaatt caaccaatac tccttgagtg 2760
cctttttatat acatgatttt gagtgatgtg gagaattaaa agagcacaac atgctcagga 2820
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ggtatgtgga agttcagaaa agcatcacag tacttcagca catctacttg ggcaatctca 2940
aacatgtatt actcatgtac caagcagtat gctgttcaca gagagatcca atctctgcct 3000
tagggatcct tggggaaaac atgtacaaag agatagtttt agcacattct agtaaaggca 3060
gtgatcaagg gcacctagcc ttacgtggca atttagggaa ggtaccttgg aggatgagac 3120
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aaagtttggt cttattgtag cctaaattgt acttaggggt acgagtgaga aaaagggatt 3300
aagataaagg acctgttttg ctgtcttggt tactgttgaa tagtagtatg aagtaggtcc 3360
tgaaaaacta tgtttttggg gaaaaaaaaa aaaaaagact gaatgatatg ttgggtttta 3420
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ctggaaatac agatttgga gtcaccccat atcagtgggt tttaaaatca agagcaaata 3540
aaattgcaca aggagaatat atagaatgaa caaattacca tgggtgaagc cttgagtaat 3600
acagacattt aagaagcaaa caaaagacaa ggaacccatg agggagactg gaaaggaaaa 3660
aacagagaaa taagaaaaaa tgagaggaga gaattgatac attttctcct ggtgtggcat 3720
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attgtgtctt gttttaaagt aaatgggtag ggtaagaaag ttgagaaggg ttagcacaaa 3840
cctctctttc aagtcacttg ccttagaaga gaaggaaggg tatggtttct ggggtgcaac 3900
ccaggttcaa gaagcaaaaa aaaaaaaaaa agggcgggcg ctctagagga tccctcgagg 3960
ggccccagct tacgcgtgca tgcgacgtca tagctctctc cctatagtga gtcgta 4016
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<210> 2057

<211> 587

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (536)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (540)

<223> n equals a,t,g, or c

<220>

1316

<221> misc feature
 <222> (541)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (542)
 <223> n equals a,t,g, or c

<400> 2057
 agctggtacg cctgcaggta ccggtccgga attccccgggt cgacccacgc gtccggaaca 60
 gggaagaaaa gggacagaga tggaaaatcc tattttattg ttttgacttt agacatccag 120
 aaagggttac taactttaaa acttttaaata aagttgccct gtgttgggga agaaatctgg 180
 caatcctagt tactttgaag tcacgctacc ctttttcaact agagtctccc tgacccaaga 240
 gaacagggaa gggccggtag gatacacata acagtagctc cttttacttg gctggattta 300
 ggtatgccag gagcagggtg cagtattagg ccagaaatct ctgttgggtc ctgcttgccct 360
 ctcatgtcta atgtggtcag ctctccttga ctgtagacca tccagccaaa tccaagctct 420
 gcttttctct ttttgactca ggaccatta aactcagtaa cctcattaaa ttctgcctgc 480
 acatttctcc tttcttttct tttctttttt ttttttgaga ccatgtctca aaaaanaaan 540
 nmaaaatata tatatatata gagagagcga gccgagagag agagaga 587

<210> 2058
 <211> 1063
 <212> DNA
 <213> Homo sapiens

<400> 2058
 ggcggaatgt tcaactccta actgcggcgg aaacgtggga gccgcgcggg ccgctgtcgt 60
 cccaaccccc gccgccctcg tcgcgcgcgg ggcctccgcg cccccggctg ctgctcacgc 120
 cccgcccggg agccagattt tgtggaagta taatactttg tcattatgag atgtcgtctc 180
 tcggtgcctc ctttgtgcaa attaaatttg atgacttgca gttttttgaa aactgcgggtg 240
 gaggaagtgt tgggagtgtt tatcgagcca atgggatc acaggacaag gaggtggctg 300
 taaagaagct cctcaaaata gagaaagagg cagaaatact cagtgtcctc agtcacagaa 360
 acatcatcca gttttatgga gtaattcttg aaacctccaa ctatggcatt gtcacagaat 420
 atgcttctct gggatcactc tatgattaca ttaacagtaa cagaagtgag gagatggata 480
 tggatcacat tatgacctgg gccactgatg tagccaaagg aatgcattat ttacatatgg 540
 aggtcctctg caagggtgatt cacagagacc tcaagtcaag aaacgttggt atagctgctg 600
 atggagtatt gaagatctgt gactttgggt cctctcggtt ccataaccat acaacacaca 660
 tgtccttgggt tggaaactttc ccatggatgg ctccagaagt tatccagagt ctccctgtgt 720
 cagaaacttg tgacacatat tcctatgggt tggttctctg ggagatgcta acaaggagg 780
 tcccctttaa aggtttggaa ggattacaag tagcttggct tgtagtggaa aaaaacgaga 840
 gattaaccat tccaagcagt tgccccagaa gttttgctga actgttacat cagtgttggg 900
 aagctgatgc caagaaacgg ccatcattca agcaaatcat ttcaatcctg gagtccatgt 960
 caaatgacac gagccttctg acaagtgtaa ctcatccta cacaacaagg cggagtggar 1020
 gtgcsaaatt gaggcaactc ttgagaggct aaagaaacta gag 1063

<210> 2059
 <211> 2716
 <212> DNA
 <213> Homo sapiens

1317

<400> 2059

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tgcacccacg cgtccgcgga cgcgtggggt ttttgaaaat atgcagaaat ttgtggtaat 60
tatgtatttg tgtcttgtga caattatggt ttatagacct acactagtgc caggtcacta 120
ttgtaagatg ttaaaatctc aagaaaattt cacagagcta aagaaatgat gtcaaattag 180
tcacattaag ctatagtaga aggaattgga cacttctcca gatatttggc ttcaaaggag 240
tacctttact tacatgtgct ttatggtaag tacattgaat tttactttaa atgcatttta 300
ctacaaagca caattcattt gtaatgcata tccatcttgg attcaatcca aggtgcttta 360
gctatcagta gtaccaaagg atctttttac aaggcttcct gtgggtattga ctctgagaat 420
aacacatagt gaagatctgt gggcttttaa aattgttcac agccaattta agaagacccc 480
tcatgaagtc tcagttttca gtacagtaca tcattcctcc tcaactaggag cactttgatg 540
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<210> 2060

<211> 2013

<212> DNA

1318

<213> Homo sapiens

<400> 2060

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<210> 2061

<211> 2595

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1009)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2456)

1319

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2466)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2471)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2507)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2533)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2535)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2593)

<223> n equals a,t,g, or c

<400> 2061

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1320

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<210> 2062

<211> 554

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (527)

<223> n equals a,t,g, or c

<400> 2062

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ggtagatttg tatattatca aaatgttctt attgtaacaa cttactaat actaaaatgg 60
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tggttaagtga caattgtgta tcttactgat atacaacttt ttcactgtca tacaaacatc 180
cccaaggggtg tttgtttctg aaaatattac agcattgata ttctgcacat tccgtagctt 240
gcttttaatca ctcaatatgt tataaacacc ccttcgtgtt aatagaaata atactaactc 300
atcctttttta ataaccaaag tatggktata tcataatcta ttataccatt caaatgttac 360
ttccagtttt gggggatttt ttttttttgg tctttttgct gttgktgttc attttttact 420
attccaaaaa tgcttcaaca aatattcttt tacagattga atgttgctta tccaaaatac 480
ttgggaccag aagtcttggg gatctctgat tttcagatta gggatgntca mcctgtatat 540
acctccttac acac 554

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<210> 2063

<211> 1848

1321

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (969)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1822)

<223> n equals a,t,g, or c

<400> 2063

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<210> 2064

<211> 487

<212> DNA

<213> Homo sapiens

1322

<220>
 <221> misc feature
 <222> (464)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (471)
 <223> n equals a,t,g, or c

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 <221> misc feature
 <222> (479)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (482)
 <223> n equals a,t,g, or c

<400> 2064
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<210> 2065
 <211> 575
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (527)
 <223> n equals a,t,g, or c

<400> 2065
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 cgaccggaac ctgtacgagc tgccagtga cgacggaggc tgtatcccc gagcgctgag 480
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1323

aagggtttgga aaagacaaac cattgggtttg aagta

575

<210> 2066

<211> 786

<212> DNA

<213> Homo sapiens

<400> 2066

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acccaa                                           786
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<210> 2067

<211> 2021

<212> DNA

<213> Homo sapiens

<400> 2067

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1324

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ctatttcatg gtccaaacct gttgccatag ttggtaaggc ttctctttaa gtgtgaaata 1380
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agcatatata tgatgcatcg gataggtcat tatgattttt taccatttcg acttacataa 1860
tgaaaaccaa ttcattttta atatcagatt attattttgt aagttgtgga aaaagctaata 1920
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaactcgt a 2021

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<210> 2068

<211> 265

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (263)

<223> n equals a,t,g, or c

<400> 2068

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ggaatcatcc tctgcttttc ctgctcatcc cagagaaatc gctccaacta ctacgatgcc 180
taccaagccc aacctcttgc cacaaggagc tctccaaggc ctggtcaacc tcccaaagtc 240
aagagtgagt tcaattccta cancc 265

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<210> 2069

<211> 774

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (20)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (32)

<223> n equals a,t,g, or c

<220>

1325

<221> misc feature
 <222> (49)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (67)
 <223> n equals a,t,g, or c

<400> 2069
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 ggaggagtgt tcattgtata ataagttatt cacctgagta tgcaataaag atgtgggtggc 720
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<210> 2070
 <211> 2620
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (20)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (26)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (27)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (2599)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature

1326

<222> (2609)

<223> n equals a,t,g, or c

<400> 2070

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aagttttaaa ttgccatttg gcagtgaagg tgctgtctgc cggaagatgg aaaagcagat 720
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gatttggatg tagatacgtt agccagttta cttagttcaa atggttgtcc tgatcctgat 840
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gaaaaccctt atcaacaagt gtacaatact tatctaaaac tatacattta gaatggagca 2400
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<210> 2071

<211> 1476

1327

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (254)

<223> n equals a,t,g, or c

<400> 2071

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taagcaagca cttacatggt aatcactata tagatccaac ctgtggattt tcttcttatg 180
tccatttaac tagaatatat tatttttaggt ataatttaca aatgtcacac ctaataatct 240
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tttgtcattg tgtacgttgt gtatttgaac ccaccatgac agaaagtaaa ttttaggaaa 360
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ccaccacttt ctttttccca ttatagacat ggtgaatcca cacagcatac ttcattctctg 480
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tgatctcata attactagtt tatattaata tagttttttt ctcccttttt aataaaataa 660
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gtaaaaaaaa aaaaagcctc cctccgtgcc gtcgat 1476

```

<210> 2072

<211> 2224

<212> DNA

<213> Homo sapiens

<400> 2072

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ggccctaaaa ccatggagga gggcggcagc actggcagtg ctggcagtga cagcagcacc 180
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tttagaaaag atgacggcac cttcccattg gataatgaag tgaaggcctt tatgagagga 540
cagaggctat atgaaaagct gatgagccct gaaaacacac tctgcagcc caggaggagg 600

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1328

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ggcatcatcc agcatgtgtc cagcaagcac ccatttgttg acagcaatct tctctaccag 780
ttcagaatga acttccggcg gaggcgaaga ctgatggagc tgctcaatga aaagtcccc 840
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ctat 2224

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<210> 2073

<211> 820

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1329

<222> (38)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (51)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (690)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (812)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (814)
 <223> n equals a,t,g, or c

<400> 2073
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 kacagccatc ctcaatgcgg ccaggatacc tgttccccca gcctgtggga agccccagca 240
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<210> 2074
 <211> 1487
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (20)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature

1330

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1474)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1487)

<223> n equals a,t,g, or c

<400> 2074

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gggaccgatg atgtggcgac catcagttct gctgcttctg ttgctactga ggcacggggc 180
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<210> 2075

<211> 2386

<212> DNA

<213> Homo sapiens

<400> 2075

1331

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aatcacctta gcacaattcc ctgggggttg cccaggacta tagaagaact acgcttggt 540
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1332

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<400> 2076

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1333

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<212> DNA

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<220>

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<222> (3231)

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<400> 2077

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1334

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<210> 2078

<211> 2981

<212> DNA

<213> Homo sapiens

1335

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<220>
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<220>
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<223> n equals a,t,g, or c

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1336

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<210> 2079

<211> 2458

<212> DNA

<213> Homo sapiens

<400> 2079

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1337

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<210> 2080

<211> 2650

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (41)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (549)

<223> n equals a,t,g, or c

<400> 2080

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1338

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cagtttggtg 2650
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<210> 2081

<211> 2302

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

1339

<222> (135)

<223> n equals a,t,g, or c

<400> 2081

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aaaaaaaaaa aaaaaaaaaa aa 2302
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<210> 2082

<211> 1958

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

1340

<222> (1724)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1843)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1850)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1864)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1875)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1907)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1911)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (1936)
<223> n equals a,t,g, or c

<400> 2082
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atatctcggg agtgggatac gacgataccg aagacagctc atgttatatc ccgccgttaa 180
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aattccccgg tcgaccacac cgtccgaccg aaacggacac ggactgaatg ttacttttcc 660
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1341

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aatggggcc cattgncctt gatagaacgg gttttttc 1958

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<210> 2083

<211> 1247

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1244)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1247)

<223> n equals a,t,g, or c

<400> 2083

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gccccagcag gcaggaagaa tgggggctga cctctacctc ggtgctcaag agagaggccc 180
cagctggcag ggacccagaa gagcctggag atggttggtg tggagacccc aactctgac 240
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gtgagaatga gccactgctg gaccctgttg gccctgagcc tctggggcct gagagtcagt 360
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aagagaaggg gttcaggatt cagtgggtgg atgatactca cgcactcggc atctttccct 780

```

1342

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gcckggcctc agctgcggaa gccctgaccc gggagttctc ggtgctcaag atccggcccc 840
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aagccttcac agacgccaga gcagccccgc accaccctcg agcttcacca tggggtgtgg 1140
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aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaagggg gggncn 1247

```

<210> 2084

<211> 2129

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1705)

<223> n equals a,t,g, or c

<400> 2084

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cttcagtgcg gtaggttctt ccatcgctat gacgctgtgg gcttttcttg gtctggagtc 180
tgcgtgtgcg aatactgatg tagtggaaaa cccggaacgt aatgtgccaa tcgcggtact 240
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tgtgccaaat atggagctgg caaattcaac ggcaccattt ggtctggcct tcgcgcatat 360
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gaagtaacgc tggcgcatat tctggtaaat actcaagcgg gtaaaccgga ttatccaaag 1860

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1343

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gcaatttcgc tgttagaaaa cgcctcggaa gatctggaga acgactctgc cgtcgatgcc 1920
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gcaacctggg atttcaaacg cagctctgca atttcccgaa ccggttattc cgagtactgg 2040
gcgggcccg tacccaattc gccctatagt gagtcgtatt acaattcact ggccgtcggt 2100
ttacaacgctc gtgactggga aaaccaggg                               2129

```

<210> 2085

<211> 788

<212> DNA

<213> Homo sapiens

<400> 2085

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catgtcggtc agggtagtcc cgaactcctg acctcaagtg atctgcctgc ctccggcctcc 180
caagtgctgg gattacaggc gtgagccact gcacccagcc tagaatcttg tataatatgt 240
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tgtaccaatt ttactaaatt atgcagttta aaatggatga ttttatgtta tgtggatttc 660
atttcaataa aaaaaaactc ttatcaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 720
aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 780
aaaaaaaaaa                               788

```

<210> 2086

<211> 1350

<212> DNA

<213> Homo sapiens

<400> 2086

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tgaggaaggt gaaggtgatt atctggatga ctggacagtg ctctgtaatg gaccctactg 720
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gaaggcagaa gccaccatg cagagctgtg aatctagagg ctctgagcca ctgttaacgc 960
acaatgttca cagacatctg ttgctgcctc accttgggat ccctgccaca agttccttgg 1020
gcagtggcca tgtcaccatt gagatgaaga tatacaacag aaaatagtgg ctgtgtttgg 1080

```

1344

```

aagcttcagc cctgcacatt tgaactagtc actctcccag acttgcggtg gtcagttctt 1140
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actgagggaa acatccctct tagctgggaa actttttactc ttcaggagct tggcatcatg 1260
gactgttaat gtatgtgatt ttccccctat tttctctctc caaaatgata aaaacaataa 1320
ttttaaaaaa aaaaaaaaaa aaactcgagg                                     1350

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<210> 2087

<211> 716

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (79)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (107)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (110)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (125)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (154)

<223> n equals a,t,g, or c

<400> 2087

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ggggtgtggt agtatccatt gttttaatta gcattttctct agtgatatag ggtgttaagc 60
tccatttcat gtttttttnt tttctctatt atctttggtg atacatntgn tcagattttt 120
tgctnttttt taagattttt tctttattgt gtgntaagag ttcttggtat attttagata 180
ccagtccttt ataagatgtg tttgacaaat attttctcct agtctgtggc ttgtcttttc 240
atttttttta aacagtgttt tacagagaag aaaaattttc aattttaatg aagtctacct 300
tatcaatttt ttctttatgg gtcatgattt tcgtgctgtg tttacaaata tattgccaaa 360
caagattttt ttcttcatta tctacaagtt ttacagtttt gaattgtatg tataggctctg 420
tgatactttt tgagttaact tttgtgaaag ataaaagggtc agtggtggat agattatttt 480
tccttttgca tgtggttgtc cagcaccatg aagactcttc cttctccact gaattgtctt 540
tgtacttttg ccaaagatca gatttacctc ttaaactctt gtcaaacctg tccactcttc 600
accatctcca ttttcaatct cttcggacgc gtgggaggac gcgtgggtcg acccggaat 660
tccggaccgg tacctgcagg cgtaccagct ttccctatag tgagtcgtat tagagc      716

```

<210> 2088

1345

<211> 1424

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1391)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1406)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (1415)

<223> n equals a,t,g, or c

<400> 2088

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gaattcggca cgagtggcta tatatttctt cacttgcaat tgcctcatgg gggtcttata 60
aggctgaaat ccaataacgg atacaaaaat actttaaaaa gtaggcatgg atttctactg 120
acagccatga gagagtttct agaactagac ctggatggcc ccaaacaact agaaaattgg 180
acaaaagata taaaaaaaaaa actgttttca accattggac agtagtcagc ataggactct 240
tatctttgag agaaggggca aaaacaagat gatccctata agcttcctta atttcttttt 300
tttctttttt tgagacgctg tctccaaaac aaaacaaaag aataggacaa tctcgtattt 360
cctctatcta gactcaacaa ttcttaatat ttgctttatc cctgtctttc tacacatgca 420
tacacatata cacacacagg catacataat tgcataattha cagggtggtt ttgctgatct 480
atttgaaagt aagtttcaga cattatgaca cctactccta attcctcatg ttttttctaa 540
gaataaggat attatcttac ctaacatata ttttatcaaa cctacaaaaa ttaacaattt 600
tatatctaata attagttcat gttaggtttt tgctgttttt ccccaaatg tcttttacag 660
tacatgtttt taaaaccagg atctaaggag ttacacagatt atatttggtt attatgtctc 720
tttagtgtct tttggcatcc ttgggttttc tacttttata ccccatgaca ctgactattg 780
gaagagtcca gaccaatttt ctatttgatt gcttccttgc gtgtatcatt taatttggtc 840
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tttggaagt atagtgcgta ggtaacattt gtgctttata ctgcatcata ttgggagata 960
aataatatta tattgccatc tctgttagtg cagccattag aaagacattg tgcctatgtc 1020
tgtctctttg ctgtgttttg tatctgttga gagccatatt ttataaaaaa tcttaaagca 1080
ttgtcctctg tgaagaaaat atattagaaa aattacactt gacagtataa gaattgttga 1140
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taggcctttg tttgggacag aatacacttc agatcatcca gaaatctaaa atcaggcctg 1260
tgtgcctttg actggtatct tccatgtggt gttgaagagt ttgagaattt aaaagaaaaat 1320
gaattaatac taagcaagac acactttttt ctttgtttct taaaaaaaaa aaaaaaaaaa 1380
actcgagggg ncccttggtg cccganctca agggngcata gtcg 1424

```

<210> 2089

<211> 1226

<212> DNA

<213> Homo sapiens

<220>

1346

<221> misc feature
 <222> (164)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1180)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1197)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1215)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1221)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1224)
 <223> n equals a,t,g, or c

<400> 2089
 ggcacgagcg gcggtggtca atgcgttcta ctccccaac cgaaaccaga ttgtattccc 60
 tgccgggatc ctccagcccc ccttcttcag caaggagcag ccacaggcct tgaactttgg 120
 aggcattggg atggtgatcg ggcacgarat cacgcacggc ttnacgaca atggccggaa 180
 cttcgacaag aatggcaaca tgatggattg gtggagtaac ttctccacc agcacttccg 240
 ggagcagtca gagtgcata tctaccagta cggcaactac tctgggact ggcagacgaa 300
 cagaacgtga gcgctgccac cagcaccag gctgcggggg taccggagcc cyagccctgg 360
 ccctgaggga gaggggaagtc agggccgggg ctgcccctaat cctgtctcct gtgcgcagtg 420
 aacggattca acacccttgg ggaaaacatt gctgacaacg gaggggtgcg gcaagcctat 480
 aaggcctacc tcaagtggat ggcagagggg ggcaaggacc agcagctgcc cggcctggat 540
 ctaccccatg agcagctctt cttcatcaac tatgcccagg tgtggtgctg gtcctaccgg 600
 cccgagttcg ccatccaatc catcaagaca gacgtccaca gtcccctgaa gtacagggta 660
 ctgggggtcg tgcagaacct ggccgccttc gcagacagct tccactgtgc ccggggcacc 720
 cccatgcacc ccaaggagcg atgccgcgtg tggtagccaa ggccctgccg cgctgtgcgg 780
 cccacgccc cccgctgctc ggaggcatct gtgcgaaggt gcagctagcg gcgaccagt 840
 gtacgtccc ccccggccaa ccatgccaa cctgcctgcc aggcctctgc gcctggccta 900
 ggggtgcagcc acctgcctga caccagggga tgagcagtgt ccagtgcagt acctggaccg 960
 gagccccctc cacagacacc cgcggggctc agtgcccccg tcacagctct gtagagacaa 1020
 tcaactgtgt cctgcccacc ctccaagggt cattgtcttc cagtatctac agcttcagac 1080
 ttgagctaag taaatgcttc aaagaaaaaa aaaaaaaac tcgagggggg ccggacccaa 1140
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 cttatcgctt gaganatccc ntnca 1226

1347

<210> 2090
 <211> 1632
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (14)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1602)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1616)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1617)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (1628)
 <223> n equals a,t,g, or c

<400> 2090
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 cgaccaaggg gctgcggctt ctctttgatg gcgatgccca cctcctcatg tccatcccca 120
 gccccttccg tggacggctc tgtggcctct gtgggaactt caatggcaac tggagtgcag 180
 actttgtcct gcccaatggc tcagcagcgt ccagtgtgga gaccttcggg gctgcattggc 240
 gggygcccg ctcctccaag ggctgtggcg agggctgcgg gcccgaaggc tgcccagtgt 300
 gcttggcaga ggagactgca ccctatgaga gcaacgaggg ctgcgggcag ctccggaacc 360
 cccaggggccc cttcgcgcacc tgccaggcgg tgctgagtc cctctgagtac ttccgccaat 420
 gcgtatacga cctgtgcgcg caaaaggggtg acaaagcctt cctgtgccgc agcctggcag 480
 cctacacggc ggccctgtcag gcagctggcg tgcccgtaga gccctggagg acagacagct 540
 tctgcccgtt ccattgcccc gccacagccc actactccat ctgcactcgc acctgccagg 600
 gatcctgtgc ggctctctcc ggccctcaccg gctgcaccac ccgctgtttt gagggtgtgt 660
 agtgcgacga ccgyttcctg ctttcccagg gtgtctgcat ccctgtccaa gattgtggct 720
 gcacccataa tggccgatac ttgccggtaa actcctccct gctgacctca gactgcagcg 780
 agcgtgttcc ctgttccctc agctctggcc tgacatgcc ggcagctggc tgcccaccag 840
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 tcctgtctgt ggggtgccaac ctcaccacct ttgatggggc ccgtgggtgcc accacctctc 960
 ctggtgtcta tgagctctct tcccgtgcc caggactaca gaataccatc ccctgggtacc 1020
 gtgtagtgtc cgaagtccag atctgccatg gcaaaacgga ggctgtgggc caggtccaca 1080
 tcttcttcca ggatgggatg gtgacgttga ctccaaacaa ggggtgtgtg gtgaatggtc 1140

1348

```

tccgagtgga tctcccagct gagaagttag catctgtgtc cgtgagtcgt acacctgatg 1200
gctccctgct agtccgccag aaggcagggg tccagggtgtg gcttggagcc aatgggaagg 1260
tggctgtgat tgtcagcaat gaccatgctg ggaaactgtg tggggcctgt ggaaactttg 1320
acggggacca gaccaatgat tggcatgact cccaggagaa gccagcgatg gagaaatgga 1380
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ctgaagaaga cctgggtccct ctggagggtg crgtggctga aggatgcac atgtgctcct 1500
accctgctct accgcttttc tgggtcacag aggccaaatg tgagagcatt gaataaatat 1560
cttaagctaa aaaaaaaaaa raaaaagggc cgataagggc anagggccct tggcannag 1620
attcccgnnt cc 1632

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<210> 2091

<211> 2429

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2301)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2307)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2363)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2373)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2406)

<223> n equals a,t,g, or c

<400> 2091

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tcgccagctc gaaattaacc ctcactaaag ggaacaaaag ctggagctcc accgcggtgg 60
cgcccgctct agaactagtg gatccccggg gctgcaggaa ttcggcacga gtaactgcaa 120
tctggaagat ttggataatt ggacagcact tatacttgca tcgaaagaag ggcatgtgca 180
catcgtagag gaactactga aatgtggggg taacttggag caccgtgata tgggaggatg 240
gacagctctt atgtgggcat gttacaaagg ccgtactgac gtagtagagt tgcttctttc 300
tcatggtgcc aatccaagtg tcaactggtc gtacagtgtt tacccaatca tttgggcagc 360
agggagaggg catgcagata tagttcatct tttactgcaa aatggtgcta aagtcaactg 420
ctctgataag tatggaacca cccctttagt ttgggctgca cgaaaggggc atttggaatg 480
tgtgaaacat ttattggcca tgggagctga tgtggatcaa gaaggagcta attcaatgac 540
tgcacttatt gtggcagtga aaggagggtta cacacagtca gtaaaagaaa ttttgaagag 600

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1349

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gaatccaaat gtaaacttaa cagataaaga tggaaataca gctttgatga ttgcatcaaa 660
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tgacaggagt ggggatactg tgttgattgg cgctgtcara ggtgggtcatg ttgaaattgt 780
tcgagcgctt ctccaaaaat atgctgatat agacattaga ggacaggata ataaaactgc 840
tttgtattgg gctgttgaga aaggaaatgc aacaatggtg agagatatct tacagtgcaa 900
tcctgacact gaaatatgca caaaggatgg tgaaacgcca cttataaagg ctaccaagat 960
gagaaacatt gaagtgggtg agctgctgct agataaagggt gctaaagtgt ctgctgtaga 1020
taagaaagga gatactycct tgcataattgc tattcgtgga aggagccgga aactggcaga 1080
actgctttta agaaatccca aagatgggcg attactttat aggcccaaca aagcaggcga 1140
gactccttat aatattgact gtagccatca gaagagtatt ttaactcaaa tatttggagc 1200
cagacacttg tctcctactg aaacagacgg tgacatgctt ggatatgatt tatatagcag 1260
tgccctggca gatattctca gtgagcctac catgcagcca cccatttgtg tggggttata 1320
tgcacagtgg ggaagtggga aatctttctt actcaagaaa ctagaagacg aaatgaaaac 1380
cttcgccgga caacagattg agcctctctt tcagtctctca tggctcatag tgtttcttac 1440
cctgctactt tgtggagggc ttggtttatt gtttgccttc acggtccacc caaatcttgg 1500
aatagcagtg tcactgagct tcttggctct cttatatata ttctttattg tcatttactt 1560
tggtggacga agagaaggag agagttggaa ttgggcctgg gtcctcagca ctagattggc 1620
aagacatatt ggatatattg aactcctcct taaattgatg tttgtgaatc cacctgagtt 1680
gccagagcag actactaaag ctttacctgt gaggtttttg tttacagatt acaatagact 1740
gtccagtgtg ggtggagaaa cttctctggc tgaaatgatt gcaaccctct cggatgcttg 1800
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taaccaatag gccgaaatcg gcaaaatccc ttataaatca aaagaataga ccgagatagg 2220
gttgagtgtt ggtccagttt ggaacaagag tccactatta aagaacgtgg acttcaacgt 2280
caaaagggcg aaaaacccgt ntatcanggc gatggcccac tacgtggaac cattaccctt 2340
aatcaagggt tttttggggg tcnaagggtc cntaaaggc acttaaaatc ggggaccccc 2400
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```

<210> 2092

<211> 902

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (834)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (864)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (894)

<223> n equals a,t,g, or c

1350

<400> 2092

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gcctgcccc cagcgccctg caagttctgt cggcccaggg gactcaggcg ttgcaggcag 180
cccagaggag cgcccagtg gcaataaacc gagtggcgat ggagatccag cacagatcgc 240
acgagtgccg aggatctggg cgccccaggg ctcaagctct cctccaggac ccacctgagc 300
cagggccgtg cggcgagagg cgtccgagca ctgccaatgt gacgcggggc cacggccgca 360
tcgtgggggg cagcgcgggc ccgcccgggg cctggccctg gctggtgagg ctgcagctcg 420
gcgggcagcc tctgtgcggc ggcgtyctgg tagcggcctc ctgggtgctc acggcagcgc 480
actgctttgt aggcgccccg aatgagcttc tgtggactgt gacgctggca gaggggtccc 540
ggggggagca agcggaggag gtgccagtga accgcctcct gccccacccc aagtttgacc 600
cgcgacactt ycacaacgac ctggccctgg tgcarctgtg gacgccggtg acccgggggg 660
atcggcgcgc cccgtgtgcc tgcccaggag ccccaggagc cccctgcggg aaccgsctgs 720
gccatcgcgg gctggggcgc cctyttcgaa gacgggcctk aggcckaagc artgagagag 780
gcccstgttc cctgtstcag caccgacacc tgccgaagag cctgggggccc cggngctgcgc 840
cccagcacca tgctctgcgc cganacctgg cggcgggctg tgactcgtgc cagngtgact 900
cg 902

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<210> 2093

<211> 1815

<212> DNA

<213> Homo sapiens

<400> 2093

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gcgtggatcc aagatggcga cggcgatgga ttggttgccg tgggtctttac tgctttttctc 60
cctgatgtgt gaaacaagcg cttctatgt gcctggggtc gcgcctatca acttccacca 120
gaacgatccc gtagaaatca aggcgtgtgaa gctcaccagc tctcgaaccc agctacctta 180
tgaatactat tcaactgccct tctgccagcc cagcaagata acctacaagg cagagaatct 240
gggagagggtg ctgagagggg accggattgt caacaccctc ttcagggttc tcatgaacag 300
cgagaagaag tgtgaagttc tgtgcagcca gtccaacaag ccagtgacct tgacagtgga 360
gcagagccga ctcggtggccg agcggatcac agaagactac tacgtccacc tcattgctga 420
caacctgcct gtggccaccc ggctggagct ctactccaac cgagacagcg atgacaagaa 480
gaaggaaaagt gatatcaaatt gggctctcgc tgggacaactt acctgacctt gaggtagctc 540
cagatccact ggttttctat cattaactcc gttgttgttg tcttcttctc gtcaggatc 600
ctgagcatga ttatcatteg gacctccgg aaggacattg ccaactacaa caaggaggat 660
gacattgaag acaccatgga ggagtctggg tggaaagtgg tgcaaggcga cgtcttcagg 720
ccccccccag taccatga tcctcagctc cctgctgggc tcaggcatc agctgttctg 780
tatgatcctc atcgatcatc ttgtagccat gcttgggatg ctgtcgccct ccagccgggg 840
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tgctggccgt ctgtaccgca ctttaaaagg ccatcggtgg aagaaaggag ccttctgtac 960
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gttcggggtc tccctgcccc tcgtctactt gggtactac ttcggcttc gaaagcagcc 1140
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catgaaccga tttgtgggca tcctcatggc tgggatcttg ccttcggcg ccatgttcat 1260
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cctgktcctt gttttcatca tcctgggtgg atcctgttca caaatcagca tcgtcatggt 1380
gtacttccag ctgtgtgcag aggattaccg ctgggtgggg agaaatttcc tagtctccgg 1440
gggctctgca ttctacgtcc tggtttatgc catcttttat ttcgttaaca agtgactgca 1500
gcgccaagcg gcatccacca agcatcaagt tggagaaaag ggaacccaag cagtagagag 1560

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1351

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cgatattgga gtcttttgtt cattcaaadc ttggattttt ttttttcctt aagagattct 1620
cttttttaggg ggaatgggaa acggacacct cataaagggt tcaaagatca tcaatttttc 1680
tgacttttta aatcattatc attattattt ttaattaaaa aaatgcctgt atgccttttt 1740
ttggtcggat tgtaaataaa tataaccattg tcctacaaaa aaaaaaaaaa aaaaaaactt 1800
ctcggccgca aggaa 1815
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<210> 2094

<211> 5459

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3960)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3961)

<223> n equals a,t,g, or c

<400> 2094

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tccccagctc ccgccttagc caggggcttc cccgcctgcc gctagggctc gggccgaagc 120
gccgctcagc gccagcctgc cgctccccgg gctccacttt cactttcggg cctgggggar 180
ctargccggm ggcagtggtg gtggcggcgg cgcaagggtg agggcggccc cagaacccca 240
ggtaggtaga gcaagaagat ggtgtttctg cccctcaaat ggtcccttgc aaccatgtca 300
tttctacttt cctcactgtt ggctctctta actgtgtcca ctccctcatg gtgtcagagc 360
actgaagcat ctccaaaacg tagtgatggg acaccatttc cttggaataa aatacgactt 420
cctgagtagc tcatcccagt tcattatgat ctcttgatcc atgcaaacct taccacgctg 480
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1352

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1353

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<211> 2085

<212> DNA

<213> Homo sapiens

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<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2065)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (2084)

<223> n equals a,t,g, or c

<400> 2095

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1354

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<210> 2096

<211> 1781

<212> DNA

<213> Homo sapiens

<400> 2096

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1355

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<210> 2097

<211> 3095

<212> DNA

<213> Homo sapiens

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<222> (3072)

<223> n equals a,t,g, or c

<400> 2097

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1356

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<210> 2098

<211> 1414

<212> DNA

<213> Homo sapiens

<400> 2098

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1357

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1414

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1358

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<211> 1186

<212> DNA

<213> Homo sapiens

<400> 2100

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1359

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<211> 3109

<212> DNA

<213> Homo sapiens

<400> 2101

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1360

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<211> 1438

<212> DNA

<213> Homo sapiens

<400> 2102

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<211> 2443

<212> DNA

<213> Homo sapiens

<400> 2103

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1361

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<211> 2519

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (2519)

<223> n equals a,t,g, or c

1362

<400> 2104

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<210> 2105

<211> 1312

<212> DNA

<213> Homo sapiens

<400> 2105

1363

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<210> 2106

<211> 1871

<212> DNA

<213> Homo sapiens

<400> 2106

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1364

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1871

<210> 2107

<211> 1309

<212> DNA

<213> Homo sapiens

<400> 2107

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<210> 2108

<211> 943

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

1365

<221> misc feature
 <222> (866)
 <223> n equals a,t,g, or c

<400> 2108

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ggccctctcc tacactctgg ccagagatac cacagtcaaa cctggagcca aaaaggacac 180
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<210> 2109

<211> 1377

<212> DNA

<213> Homo sapiens

<400> 2109

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1366

<210> 2110
<211> 788
<212> DNA
<213> Homo sapiens

<400> 2110
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tctggttata gaacttgGCC aaaagcaggt gattccaggt ctggagcaga gtcttctcga 420
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cccaaagtct ccaaaaagaa gctcaaggaa gagaaacgaa acaagagcaa aaagaaataa 720
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aaaaaaaaa 788

<210> 2111
<211> 1019
<212> DNA
<213> Homo sapiens

<400> 2111
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<210> 2112
<211> 975
<212> DNA
<213> Homo sapiens

1367

<400> 2112

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<210> 2113

<211> 1173

<212> DNA

<213> Homo sapiens

<400> 2113

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<210> 2114

<211> 1708

<212> DNA

<213> Homo sapiens

1368

<220>

<221> misc feature

<222> (1109)

<223> n equals a,t,g, or c

<400> 2114

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<210> 2115

<211> 1877

<212> DNA

<213> Homo sapiens

<400> 2115

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gacgtcttcc ttcctgcca ggggtccctg ggccgatggg atcacgcaga agaatgcgag 120
agaagcagcc tttgagaagg gaagtcacta tcccagagcc cagactgagc ggatggagtt 180
gaggaagtac ggccttgaa gactggcggg gacagttata ggaggagctg ctcagagtaa 240
atcacagact aaatcagact caatcacaaa agagtctctg ccaggccttt acacagcccc 300
ttcctccccg ttcccgccct cacaggtgag tgaccaccaa gtgctaaatg acgccgaggt 360
tgccgccctc ctggagaact tcagctcttc ctatgactat ggagaaaacg agagtgamtc 420
gtgctgtacc tccccgccct gccacagga cttcagcctg aacttcgacc gggccttccct 480
gccagccctc wacagcctcc tctttctgct ggggctgctg ggcaacggcg cgggtggcagc 540
```

1369

```

cgtgctgctg agccggcgga cagccctgag cagcaccgac accttcctgc tccacctagc 600
tgtagcagac acrcctgctgg tgctgacact gccgctctgg gcagtggacg ctgccgtcca 660
gtgggtcttt ggctctggcc tctgcaaagt ggcaggtgcc ctcttcaaca tcaacttcta 720
cgcaggagcc ctctgctgg cctgcatcag ctttgaccgc tacctgaaca tagttcatgc 780
caccagctc taccgccggg ggccccggc ccgctgacc ctcacctgcc tggctgtctg 840
ggggctctgc ctgcttttcg ccctcccaga cttcatcttc ctgtcggccc accacgacga 900
g'gcctcaac gccacccact gccaatacaa cttcccacag gtgggcccga cggctctgcg 960
ggtgctgcag ctgggtggctg gctttctgct gccctgctg gtcatggcct actgctatgc 1020
ccacatcctg gccgtgctgc tggtttcag gggccagcgg cgctgcggg ccatgcggct 1080
ggtgggtggg gtcgtggtgg cctttgccct ctgctggacc ccctatcacc tgggtggtgct 1140
ggtggacatc ctcatggacc tgggcgcttt ggcccgcaac tgtggccgag aaagcagggt 1200
agacgtggcc aagtcggtca cctcaggcct gggctacatg cactgctgcc tcaaccgcct 1260
gctctatgcc tttgtagggg tcaagttccg ggagcggatg tggatgctgc tcttgccct 1320
gggctgcccc aaccagagag ggctccagag gcagccatcg tcttcccgcc gggattcatc 1380
ctggctgtag acctcagagg cctcctactc gggcttgtga ggccggaatc cgggtctccc 1440
tttcgcccac agtctgactt ccccgcatc caggctctc cctccctctg ccggctctgg 1500
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gggaagccac cctcccagct ctgaggactg caccattgct gctccttagc tgccaagccc 1620
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agccacagcc caggcctcca gctcagcagt gactgtggcc atgggtccca agacctctat 1800
atgtgctctt ttatttttat gtctaaaatc ctgcttaaaa cttttcaata aacaagatcg 1860
tcaggaaaaa aaaaaaa 1877

```

<210> 2116

<211> 828

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (787)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (819)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (827)

<223> n equals a,t,g, or c

<400> 2116

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ggcacgagag atggcgggcg aacagcggga ctgcgggggt gctgcgcagc tggcggggcc 60
ggcggcgag gctgaccccc taggacgctt cacgtgtccc gtgtgcttag aggtgtacga 120
gaagccggta cagggtgccct gcggacacgt cttttgctct gcatgcctgc aggaatgtct 180
gaagccgaag aagcctgtct gtgggggtgtg tcgcagcgt ctggcacctg gcgtccgagc 240
cgtggagctc gagcggcaga tcgagagcac agagacttct tgccatggct gccgtaagaa 300
tttcttctg tccaagatcc ggtcccacgt ggctacttgt tccaaatacc agaattacat 360

```

1370

```

catggaaggt gtgaaggcca ccattaagga tgcattctctt cagccaagga atgttccaaa 420
ccgttacacc ttctcttggt cttactgtcc tgagaagaac tttgatcagg aaggacttgt 480
ggaacactgc aaattattcc atagcacgga taccaaactc gtggtttgtc cgatatgtgc 540
ctcgatgccc tggggagacc ccaactaccg cagcgccaac ttcagagagc acatccagcg 600
ccggcaccgg ttttcttatg acacttttgt ggattatgat gttgatgaag aggacatgat 660
gaatcagggt ttgcagcgct ccattcatga ccagttagca gagtccgtgc ttgctatctg 720
tctcatgtta cagagcttcc attacatatt aaacgtgaaa tctatgaaaa aaaaaaagg 780
ggggggnccc ggttaccca atttcggccc tattaggtna agtcgtna 828

```

<210> 2117

<211> 2520

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2520)

<223> n equals a,t,g, or c

<400> 2117

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ggcacgagca cttcctggcc aggaaacctg agcgggtgaga ctcccagctg cctacatcaa 60
ggccccagga catgcagaac cttcctctag aacccgaccc accaccatga ggtcctgcct 120
gtggagatgc aggcacctga gccaaaggct ccagtggctc ttgcttctgg ctgtcctggg 180
cttctttctc ttgccttgcc cctcttttat taaggagcct caaacaagc cttccaggca 240
tcaacgcaca gagaacatta aagaaaggct tctacagtcc ctggcaaagc ctaagtccca 300
ggcacccaca agggcaagga ggacaaccat ctatgcagag ccagtgccag agaacaatgc 360
cctcaacaca caaaccagc ccaaggccca caccaccgga gacagaggaa aggaggccaa 420
ccaggcaccg ccggaggagc aggacaaggt gccccacaca gcacagaggg cagcatggaa 480
gagcccagaa aaagagaaaa ccatggtgaa cacactgtca cccagagggc aagatgcagg 540
gatggcctct ggcaggacag aggcacaatc atggaagagc caggacacaa agacgacca 600
aggaaatggg ggccagacca ggaagctgac ggctccagg acggtgtcag agaagcacca 660
gggcaaagcg gcaaccacag ccaagacgt cattcccaa agtcagcaca gaatgctggc 720
tcccacagga gcagtgtcaa caaggacgag acagaaagga gtgaccacag cagtcattcc 780
acctaaggag aagaaacctc aggccacccc acccctgcc cttttccaga gccccacgac 840
gcagagaaac caaagactga aggccgcca cttcaaactc gagcctcggt gggattttga 900
ggaaaaatac agcttcgaaa taggaggcct tcagacgact tgccctgact ctgtgaagat 960
caaagcctcc aagtcgctgt ggctccagaa actctttctg cccaacctca ctctcttct 1020
ggactccaga cacttcaacc agagtgagtg ggaccgcctg gaacactttg caccacctt 1080
tggcttcatg gagctcaact actccttggt gcagaaggct gtgacacgct tccctccagt 1140
gccccagcag cagctgtctc tggccagcct ccccgctggg agcctccggt gcatcacctg 1200
tgccgtggtg ggcaacgggg gcatcctgaa caactcccac atgggcccagg agatagacag 1260
tcacgactac gtgttcgat tgagcggagc tctcattaaa ggctacgaac aggatgtggg 1320
gactcggaca tccttctacg gctttaccgc cttctccctg acccagtcac tccttatatt 1380
gggcaatcgg ggtttcaaga acgtgcctct tgggaaggac gtccgctact tgcacttct 1440
ggaaggcacc cgggactatg agtggctgga agcactgctt atgaatcaga cggatgatgc 1500
aaaaaacctt ttctggttca ggcacagacc ccaggaagct ttccgggaag ccctgcacat 1560
ggacaggtag ctgttgctgc acccagactt tctccgatac atgaagaaca ggtttctgag 1620
gtctaagacc ctggatggtg cccactggag gatataccgc cccaccactg gggccctct 1680
gctgctcact gcccttcagc tctgtgacca ggtgagtgct tatggcttca tctactgagg 1740
ccatgagcgc ttttctgatc actactatga tacatcatgg aagcggctga tcttttacat 1800
aaaccatgac ttcaagctgg agagagaagt ctggaagcgg ctacacgatg aagggataat 1860

```

1371

ccggctgtac cagcgtcctg gtcccggaac tgccaaagcc aagaactgac cggggccagg 1920
gctgccatgg tctccttgcc tgctccaagg cacaggatac agtgggaatc ttgagactct 1980
ttggccattt cccatggctc agactaagct ccaagccctt caggagttcc aagggaacac 2040
ttgaacctatg gacaagactc tctcaagatg gcaaattggct aattgagggt ctgaagttct 2100
tcagtacatt gctgtaggtc ctgaggccag ggatttttaa ttaaattgggg tgatgggtgg 2160
ccaataccac aattcctgct gaaaaacact cttccagtc aaaagcttct tgatacagaa 2220
aaaagagcct ggattttacag aaacatatag atctggtttg aattccagat cgagtttaca 2280
gttgtgaaat cttgaaggta ttacttaact tcactacaga ttgtctagaa gacctttcta 2340
ggagttatct gattctagaa ggtctatac ttgtccttgt ctttaagcta tttgacaact 2400
ctacgtgttg tagaaaactg ataataatac aaatgattgt tgtccatgga aaggcaaata 2460
aattttctac agtgaagatg caaaaaaaaaa aaaaaaaaaa aaaaaaaaaa aaaaaaaaaa 2520

<210> 2118

<211> 692

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (57)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (575)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (602)

<223> n equals a,t,g, or c

1372

<220>

<221> misc feature

<222> (627)

<223> n equals a,t,g, or c

<400> 2118

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ggntagncaa ntcnctccca tgattacgcc aagctccta acgactcact atagggnttt 60
gttggtacgc ctgcaggtac cgggtccgga ttcccgggtc gacccacgcg tccgattttc 120
ttcagacaaa actgctcttg tgcaatattt tatgctcagt gagcaaattg tgtattttatg 180
tttatcaatt tgttctcaag gtggctgtct acagacattt gaccaagaca tacatctgat 240
ttaccttggtg tttttttttt attggtgttt ttttttaaga cagagattca gtctgtcacc 300
caggctggag tgctgtggtg tgatcttagc tcaactgcaac ctccgcctcc caggttcaag 360
caattttcct gcctcagcct cccgagtacc tgggactata tgtgcgccacc accacgcctg 420
gctaattttt tgtattttta gtagagatgg ggtttcacca tgttggtctg gctggtctcg 480
aactcctaac ctcaagtgat ccacccgcct cagcctccca aagtgtctggg attacaggtg 540
tgagccactg caccacgcct accttggtctg tttgngtctg ggaggttttt ttttttctat 600
tnttattttt tcatgaaaat tattgngggg ccactgaaag tccccacaca caaaagcctt 660
tattctatat aatttataaa cacaaattca tg 692
```

<210> 2119

<211> 474

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (254)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (293)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (341)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (349)

<223> n equals a,t,g, or c

<220>

1373

<221> misc feature
 <222> (363)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (374)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (423)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (444)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (451)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (457)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (474)
 <223> n equals a,t,g, or c

<400> 2119
 gggcatggtg gtgcatgcct gtaattccag ctactcggga ggctgaggca ggagaattgc 60
 ttgaaccgag gagacggagg ttgcagtgac cccagatcat gccagtgcac tccagcctgg 120
 gtgacagagt gagactctgt ctcaaaaaaa taaaaaataa ataataaata ataataataa 180
 taaaataaaa ataactgcaa caagccccta gattgacttg aagcctctgt ctgaactgct 240
 ggcgggatcc ccacttcccc ccatgtgcct gttcatggca tgcagaggtc agncccttgc 300
 ttcaagcctc ggaccagagt gggccatctc ggtagcata ngacacaang acagaagcat 360
 tgnccctcaag ttttctgaga catgttttgc cctggaagcg gtgatttttg ccatcattgc 420
 tgnaagactt gtcatcgggg cagnatctta ncatcangca tttgctgtcg cggn 474

<210> 2120
 <211> 204
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature

1374

<222> (19)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (39)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (62)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (104)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (107)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (110)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (163)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (201)

1375

<223> n equals a,t,g, or c

<400> 2120

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tataccacaa atgcagccng gnggagtaca agctcctgnt atacaacagg tgctggctcc 60
nnttcctgga gggatttcac cacagacagg tggcatcatc cagnctnagn aaatctaatt 120
tacaggaaat aaagactcaa gatataccta cgacagtggc agnacctaca ccagnccaaa 180
gcacagataa ctgcaactgg ncag 204
```

<210> 2121

<211> 367

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (317)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (337)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (367)

<223> n equals a,t,g, or c

<400> 2121

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aattcggcag agttgtgggc cgaagaatat gctcatgtgg tggtgaggaa agcagacatt 60
gacctacca agagggcggg agaactcact gaggatgagg tggaacgtgt gatcaccatt 120
atgcagaatc cacgccatac aagatcccag actggttctt gaacagacag aaggatgtaa 180
aggatggaaa atacagccag ctttcgtgtc cgaggccagc acaccaagac cactggccgc 240
cgtggccgca ccgtggggtt gtccaagagg aattaagttt ttaggccttg tctgttaata 300
aatagtttat atacctnaaa aaaaaaaaaa aaatttnggg gggggncccc gtacccattt 360
gcccttn
```

<210> 2122

<211> 243

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (229)

<223> n equals a,t,g, or c

1376

<220>
 <221> misc feature
 <222> (234)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (240)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (241)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (242)
 <223> n equals a,t,g, or c

<400> 2122
 gggggtgcct gtacccccca gcctggctgg catcatgcag aggaccttcg cctggctggt 60
 ggaccgcgtg cagcacctgg gtgccccgt cacccttcgc gcctcttata tggagateta 120
 caatgagcag gtctcagccg tcgaaggaaac tcagcccaca ccctgaacca ggccctccagc 180
 cgaagccatg ccctgctcac cctttacata agctccaaaa aaaaaaatna attntttatn 240
 nnc 243

<210> 2123
 <211> 317
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (260)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (268)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (293)
 <223> n equals a,t,g, or c

<400> 2123
 ggaaagatag atcctgacca gacagtaatc agagctgagt ctttggatgg tggtgacacc 60
 agttctacag ttgtagaatc tcaagagggg ctttctggca ctcattgtccc agagtcttct 120

1377

gattgttgtg aagggttttat taatactttt tcaagcaatg atatggatgg gcaagactta 180
gattacttta atattgatga acgcgcaaaa atggccact aattagtgat gctgaacttg 240
atgcctttct gacagaacan tatcttnga ccactaacat aaatcttttg aaaaaaatgt 300
taaagactc taaatcg 317

<210> 2124

<211> 305

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (116)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (160)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (164)

<223> n equals a,t,g, or c

<220>

1378

<221> misc feature
 <222> (193)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (232)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (233)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (259)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (272)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (294)
 <223> n equals a,t,g, or c

<400> 2124
 gaatcctnnt ggaaaaccnc tcactatagt naaagctggt acnccctgcag gtaccgggtcc 60
 ggaattcccg ggtcgacca cgcgctccgca cggggcactt ccaccaacgg caaagnccctg 120
 gctgccactg caccctactcc tggcatcccc atcctgcagn ctgnaccctc cgccccacct 180
 cccaaagccc agncagtttc tcccgctgcag gccccgcccc cgggtgggtc annccagctg 240
 ctgcctggga aggtctant gcctctggcc gncctagca tgtcagtgcg gggnggaggg 300
 gccgg 305

<210> 2125
 <211> 330
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (68)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (70)
 <223> n equals a,t,g, or c

1379

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (225)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (237)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (257)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (279)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<400> 2125
gggcaactat tatctcaagt tcagtgtggt gagtgacaag aatcatatgc actttggggc 60
tatcactngn gccatgggta ttcgcttcaa gtcttactgc tccaaccttg ttcgcacttt 120
gatggttgat ccttctcaag aagttcagga aaattataac tttntgctcc agcttcaaga 180
ggagctgctg aaggaattaa gacatggtga gaagatatgt gacngtata acgctgncat 240
ggacgtgggt aaaaagnaga agccagaact gntgaacana aattaccnaa aacctagggt 300
tagggatggg aattgaatcc cgtgaaggct 330

<210> 2126
<211> 333
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

1380

<222> (131)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (224)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (293)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (304)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (317)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (318)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (324)
 <223> n equals a,t,g, or c

<400> 2126
 ggcacgagct cgtgccgaat tcggcacgag cccaaacgga gccacgtgag gacgtctttg 60
 gggatgtgtc tccaagaaaa gtgtgggctg ccttcctcac cctggatgcc tgtgggctgc 120
 ctctctcacc ntggatgcct gtgggctgcc ttctcacc tggatgcctg tgggcagcct 180
 tctcacct ggatgcctgt gggctgcctt ctcaccctgg atgncgtgg gctgccttcc 240
 tcaacctgga tgctgtgggc agctttctca acctggatgc tgtgggctgc ttntcaacc 300
 tggntgactg tgggcannct ttntaacct gga 333

<210> 2127
 <211> 264
 <212> DNA
 <213> Homo sapiens

<220>
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 <222> (203)
 <223> n equals a,t,g, or c

1381

<220>
<221> misc feature
<222> (229)
<223> n equals a,t,g, or c

<220>
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<222> (253)
<223> n equals a,t,g, or c

<220>
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<222> (262)
<223> n equals a,t,g, or c

<220>
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<222> (264)
<223> n equals a,t,g, or c

<400> 2127
gttgaggacc cgctgcggag ctgctgcctg gtggccgcgg acgcccagga gcccgagggc 60
gcgggcagcg actcggggga cagcccggcc agcagctgca gcagtagcga ggactcagag 120
cagcggggag tcggcgccgg gggtcccgag gagggcgcg cccctgccac ctcggccgag 180
aggactaatg ggggtgcgga ccncgcctgg gcttttctga cattcactnc aactctcgca 240
acacgttcca ggntgagccg cngn 264

<210> 2128
<211> 667
<212> DNA
<213> Homo sapiens

<220>
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<222> (309)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (336)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (413)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

1382

<220>
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<220>
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 <223> n equals a,t,g, or c

<220>
 <221> misc feature
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 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (613)
 <223> n equals a,t,g, or c

<220>
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 <222> (624)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (631)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (666)
 <223> n equals a,t,g, or c

<400> 2128
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 atgtaataat ttacagagtt tttcaatgtg ttttttcaga atggacatgt aaaatttagt 120
 tacattccag ggaattttca ggtgaaaatt agtagatagt taacatgaaa attttatatg 180
 aattcatatt ttttcttgga caatatgcta atatttattg atttcacaaa ttacagcat 240
 atgggtgatt ttggaagcat tcatagaccc ggaattgttg ttgactatca aaacaaatcc 300
 accaatgtna cagttgctgc tgcaagagga ataaanagaa aaatgatgca gccatttaat 360
 aagcccagtg gaacctttat caagaaccca aactagcaaa acctatggag aanataagcc 420
 tcagcaaatc accacaaaaa ctgaccta aaattgaana agaaaaaaaaa cggcaattga 480
 ggtccgcaaa aaaaacaaag gccccaaaaa aaaaaacgng anaattcgga aatggatccg 540

1383

aatggcttta atnttctttt gtaatttcaa ctttaaaaaa aaanttgtact gctcggaaat 600
tctcctccga acnttgatct ttcnaaacac ntattgaaaa tttttggatt tgcctatttt 660
tggaana 667

<210> 2129

<211> 384

<212> DNA

<213> Homo sapiens

<220>

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<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (38)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (41)

<223> n equals a,t,g, or c

<220>

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<222> (56)

<223> n equals a,t,g, or c

<220>

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<222> (122)

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<220>

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<222> (123)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (161)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1384

<222> (321)
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<220>
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 <222> (322)
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<220>
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 <222> (330)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (350)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (355)
 <223> n equals a,t,g, or c

<400> 2129
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 atcatagaaa gcattattac agttttaaca aaaaagcagt gaaagccttt ttgagatctt 120
 tnntatctga ttggaatagc aagtattttt tgttttgatt ncatttttat acatactttt 180
 atgataataa ctttaagcat tatctcagat taccttacgg aaaagtgtgg aatcagcatt 240
 aagacagtta gaaagagaaa aggcgcttct tcagcacaaa aatgcagaat atcagaggaa 300
 agctgatcat gaagcagaca nnaaacgaan tttggaaaat gatgggttgn ggtgnagaat 360
 attaaatact catcaagaaa aaaa 384

<210> 2130
 <211> 415
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (273)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (332)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (360)
 <223> n equals a,t,g, or c

1385

<220>
<221> misc feature
<222> (398)
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<220>
<221> misc feature
<222> (414)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (415)
<223> n equals a,t,g, or c

<400> 2130
gcgtcagtc cagcttgctc aggatgagcg tgtgtcccgc tcttacctcg ccttgccac 60
cgaaaccgtg gacatgttcc acatcctccc ccaaagcaat gtgagtccea gagcccgtt 120
ttgctcgaag aaagtctgga gtctctgaag cgaatccatg aagtgcagga agagatgaag 180
aacaagaac agtgggacca gttgccccgg gatcagcagc aggctcgtca gtctcagctt 240
gctcaggatg agccgtgtgt ccgctcttac ctngcctgcc accgaaaccg tggacatgtt 300
ccacatcttc cccaaagcaa tgtgagtcce anagcccgtt tttggtcttt cccacaattn 360
cattactaag aaacacatca aataaactga ctttttttnc cccaaaaaaa aaann 415

<210> 2131
<211> 499
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
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<222> (352)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>

1386

<221> misc feature
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (388)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (416)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
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<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<220>
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<220>
<221> misc feature
<222> (481)
<223> n equals a,t,g, or c

<220>
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<222> (490)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1387

<222> (498)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (499)

<223> n equals a,t,g, or c

<400> 2131

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tgacaccaag ggtcgctttg ctgtacatcg tattacacct gaggaggcca agtacaagtt 120
gtgcaaagtg agaaagatct ttntgggcac aaaaggaatc cctcatctgg tgactcatga 180
tgcccgcacc atccgctacc ccgatcccct catcaagggtg aatgatacca ttcagattga 240
tttagagact ggcaagatta ctgatttcac caagtctgac actggtaacc tgtgtatggt 300
gacttggagg tgctaacctt gggaggattt ggtgttggtt ccaccagggg gnggcaccct 360
gggtntttta cnggggttca gggnaaanat gccattggaa cagtttttnc ctgggntttt 420
caaatTTTTT tttttggaag ggaacaanct ggnTTTTTtc ccggggaagg gtttcngctt 480
ncctTTTTTt ggggggggnn                                     499
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<210> 2132

<211> 297

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (120)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1388

<222> (233)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (283)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (292)

<223> n equals a,t,g, or c

<400> 2132

nangnacgct gtgtaaataa natgcttttg gggctcccct ggccacagaa ggagaaaact 60
ggagccttct aatttcctgt tgtttacttt ccaaaggctg gagttgggta ggaaacctgn 120
gcataccggc aacttggtt gtgggtgaac ttctctccct gctgtatttc ccggacaggt 180
gaggcggacc ctgttcacga caggactccc cagagatgcc aggaaggaga ctntggagag 240
ccacttccgg gacgcgtatc ccacgtgtaa ggtggttgat gtncagttgt gntacaa 297

<210> 2133

<211> 575

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (361)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (470)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (511)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (527)

<223> n equals a,t,g, or c

<220>

1389

<221> misc feature
 <222> (539)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (544)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (573)
 <223> n equals a,t,g, or c

<400> 2133
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 atggagtttg ggcctagctg ggttttcctt gttgctattt taaaagggtg ccactgtgag 120
 gtgcagctgg tggagtctgg gggaggcttg gtacagccag ggcgggtccct gagactctcc 180
 tgtacaactt ctggattcac ctttggagat tattctatga gctgggtccg ccagggtcca 240
 gggaaggggc tggagtgggt aggtttcatt agaagcaaag cgcattgggtg gacaacagaa 300
 tacgcccgct ctgtgaaaag gcagattcac catctcaaag agatgattcc acaggcatcg 360
 nctatctggc aaatgaacag cctgaaaccg aggacacaga cattattact gtctagacat 420
 gactacaggc acacccttg ctactggggg cagggaaacc tggtcaccgn cttctctggc 480
 ttccaccaag ggccatcgct tcccccttg ngcccttggt ccaggancac ttccgaaanc 540
 cagnggcctg ggcttgcttg gcaagggtc ttnc 575

<210> 2134
 <211> 557
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (52)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (521)
 <223> n equals a,t,g, or c

<400> 2134
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 gaactagtgg atcccccggg ctgcaggaat tcggcacgag ggagttttca gatcaaaaac 120
 tggttaccat tttttgtcag agtgtctgat gcggccactc attcggctcc ccagaattcc 180
 tagactgggt taatagggtc atattgtgaa tgtctcacta caaaatgact tgagtccagt 240
 gaaatctcat tagggtttta gaatatttca gggatcctta atgttttgat ttttgttttc 300
 tgaaattgga ttttatttta ttttatctta taatttcagt tcatctaaat tgtgtgttct 360
 gtacatgtga tgtttgactg taccattgac tgttatggaa gttcagcgtt gtatgtctct 420
 ctctacactg tgggtgcactt aacttgtgga atttttatac taaaaatgta ggataaagac 480
 tattttgaag gtttgaataa agtgatgaag ttgcattaca nctcactgca aggattcttt 540

1390

acttagcttg tttttag

557

<210> 2135

<211> 552

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (14)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (61)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (341)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (354)

<223> n equals a,t,g, or c

1391

<220>

<221> misc feature

<222> (470)

<223> n equals a,t,g, or c

<400> 2135

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ncaannnnga cacnaaccct cactaaaggg aacaaaagct ggagctccac ctgcggtgcg 60
nccgctctag aactagtgga tcccccgggc tgcaggaatt cggcacgagg aggagcccca 120
gtcatgctca gcacgctaca gatgtgttgt ttgtcacact gagattgctg aatgtcgtgg 180
ctgtttggctg ccgagcctca gctgctggca tttccttctg ctgtttgctg cttttgtgcc 240
tccccactt tccatcacct ctggagtccc gtctggacgt cccttcctgc tacaggaata 300
atgaggcgtg ggctgcctcc cgctaggcct cctgctccct ntaggtagtt tctngctgag 360
gcttgctaatt tggggatgct tcttagagca tcttccacat caactcccct ggctgctggc 420
taccgattaa attcattagt gtgaaagagg tgggagttag gttttctggn ctgaagcagt 480
ctgcactgaa aggtacccaa gtggcctgaa acagtgtagg gaaagacctg ggaaacactg 540
gaccaaaaaa gc 552

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<210> 2136

<211> 618

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (83)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (105)

<223> n equals a,t,g, or c

<400> 2136

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aaccctcact aaagggaaca aaagctggag ctccaccgcg gtgncggccg ctctagaact 60
agtggatccc ccgggctgca ggnattcggc acgagcggcg gcggnccggc cgctccagcc 120
atgccgaata aaaacaagaa ggagaaagaa tcacaaaag cagggaagag tggaaaaagt 180
tcaaaagaag gacaagacac agtagaatca gagtgtact gtctaagagc tggagctaca 240
gagcttgaaa ttaccactga aaacactgaa atgttgggccc ctactgct tcctcataag 300
gataccagag gcaacctggc atattaagct tgacacttg cagatcactg tgtaaattgt 360
ttttcaggaa tacaagttgg gacacttctg ttcatttgac ctttgagttg acccttaaat 420
tttattattg ttttttttcc cctcagtcct cagctcactg ctacttct agttccaccc 480
acttaccaaa tatgattgac tcatgcaggt gaattaaacc attattgcac actttttccc 540
tctcctctct ctcatgatta ctcttaactt gaatatttta acctgaacaa tttaaatagg 600
cttgacattc ccatgctg 618

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1392

<210> 2137

<211> 522

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (52)

<223> n equals a,t,g, or c

<400> 2137

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anantaaccc tcactaaagg gaacaaaagc tggagctcca ccgcggtgcn gnccgctcta 60
gaactagtggt atcccccggt ctgcaggaat tcggcacgag gaggaatcgt gtgtctgctg 120
ttgatgaact tgcaatggct acagaacgac taagagtgcg tgatcctagg gagccaaaagc 180
ctaataccgcc tgttcttcat atcattgaac cacatgaggt agaacaaaac cgaataaaaac 240
tactaaatga taaagctggt gctacatcac agcttcagaa aaaacttggg cagcttcttt 300
acctaactaa tttggagaag tctcaagata aaacatcggg aggtgttaat ccagaacctt 360
gcccaatctg tgctcgacag ctaggaaaac agtgggcggt actgacctgt ggtcactggt 420
tctgtaatga atgcatttct ataattattg aacaatacag cgtgggatct cacagaagct 480
ccattaagtg tgcaatctgc cgccagacca catctcaca ag 522

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<210> 2138

<211> 508

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (4)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

1393

<400> 2138

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tganacnaac cctcactaaa gggaacaaaa gctggagctc caccgcggtg acggccgctc 60
tagaactagt ggatcccccg ggctgcagga attcggcacg agctacaact ggagaatcca 120
tccatcaggt gactgagttc ctccaaaggg gacactacta atgtgtctca gacactaact 180
aaggtgagaa ggaatgcact gttgaggggg cagcacatcc ttaagaagct caatgggtggc 240
tgtccccctgc aggctggaat aatgctaggg atgttttata gaactggatc cccagtagt 300
gagtaaaatg atagagttcc agaataacag gggccaagtg gcagcattta actgtgagga 360
caagataaag taatttccgt aagggggcatc aacgttagag tgacaactgg gaggcctgac 420
ctgtaggtgt ccatgaagat ggctcttagg acatgctgtt cctctaggca agacacatat 480
tgcttttagac atataatcaa aagaggat 508

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<210> 2139

<211> 546

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (26)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (41)

<223> n equals a,t,g, or c

<400> 2139

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ccctcactaa nggaacaaag nctngngctc caccgcggtg ncggccgctc tagaactagt 60
ggatcccccg ggctgcagga attcggcacg agcgggtttta ttttcaataa tgaacagctg 120
gctcagatga atgaacagct ggctcaggtg aatgaactaa agaaaatgac ccttcaaact 180
ggctttgaac aaggtgacag agaaaatgta ctgtgttaata aaaaggagaa aagaataaca 240
aatgagcaag aggaaacata ctctttatcc caaagttcag gtaaatttca ccaggagagt 300
aaatttgata agggtcagaa ttccctaact tgtaataaaa gtaaagcttc tagacagaca 360
tttgtgattc acaaattaga aaaagataac ttactcccaa accaaaagga taaagtaacc 420
atztatgaaa acctagacgt cacaaatgaa tttcacacag ccaatctttc caccaaagat 480
atggaaatth atgtgattat gggacccaca atatattgga tttgaaaagt atgtcactga 540

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1394

tattca

546

<210> 2140

<211> 537

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<400> 2140

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gnacaccctc actaaaggga acaaaagctg gagctccacc gcggtggcgg ccgctctaga 60
actagtggat cccccgggct gcaggaattc ggcacgaggg agattgatga tgactttttc 120
ccaagtctct gggaagaagc tgaagctgct tctgtaggag aaggaggagg aggaggtcgg 180
aaagtgggaa gataccgaga tgatggagat gaagattatt ataagcagcg gttaaggtcg 240
gtctgtgggg attataaata cattgtactg tttgctttat cttagggtgac aggtttatta 300
atatgtaagc attctagatc cagcttaata tattagacct ccccgattat acagagggtg 360
gatttctgca gccttaacct gctagaagca gtggggcccc tgagtcctta atgatgctgg 420
cccaaatgc atgtacttct aggtcttttag ttggatttgg aggcaagtct aagatgaaaa 480
acttaaggga aggctggggc aagaggcata cagagggctg agtgtgagct gtgtcgc 537

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<210> 2141

<211> 480

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<400> 2141

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tcaaccctca ttaaaggga caaaagctgg ngctccaccg cgggtggcggc cgctctagaa 60
ctagtggatc ccccgggctg caggaattcg gcacgagatg atattgagac ctctgtcatt 120
taatattggg acaaaattgt atttctaact cacaacaaac agaaaaacta cattagatgt 180
actatcactt tagatttgaa aacaattctt taaaactttt acaagaaaat caaaataaga 240
ctctactgcc tttaatttga ggaagcacat gtcattaagg aaaagactga tgagttcaca 300
tttgctgata aaaataatat aatctgtcca tcctaagtta ggtgtccaac aaatagttac 360
atgtctatcc tctcaccttt catgtcctcc aacacttctc tttaaagagt ggcatagata 420
acatcatgaa agaatgagga aactccagtg caccaaaaaa ttatagagtt tataaatatc 480

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<210> 2142

<211> 500

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

1395

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (6)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (51)

<223> n equals a,t,g, or c

<400> 2142

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ggnganntca acctcactaa agggaacaaa agctggagct ccaccgcggt ngcggccgct 60
ctagaactag tggatcccc gggctgcagg aattcggcac gaggtctgat ttcttcacac 120
ttgtaaacaa ttgtattata tatgcatact gtatatattg tagttataag aagaaaaata 180
ccagaattta aaatgcagtc acaatgtgtt atgttttcag atgacttacg tatgtttttg 240
ttcatcagta ttttaaaaaa taatcacctg tttgtgaaaa taatgggttt gaaaacagca 300
ttatgatgag aggggaacttc gtaatttcat gagaatgtag atgggtgactg ttttaagtggg 360
agctcacata ggcattaaca tcaccctcct tttgcacagt ccttttaagt ctccctgttaa 420
acatctttta ttgtgtgtat ttaaaggcac acagatgctt tttcctgtat tcatcttaca 480
aatttaccta catattcagc                                     500

```

<210> 2143

<211> 433

<212> DNA

<213> Homo sapiens

<220>

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<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<400> 2143

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gangtcnanc ctcactaaa ggaacaaaag ctggagctcc accgcggtgg cgcccgctct 60
agaactagtg gatcccccg gctgcaggaa ttcggcacga gcttttggt tctagttgat 120

```

1396

```
tacttttttt ttccctgcaa atttgggttt tgattacttg agcatagtga tcaaaaaaga 180
tcaactgggca tccatatacc gtttcattaa tgattaatgg actacaatat tgacttgtct 240
catgttatca aagttataat ctgctttata tagcaagttc actttgcttt aaacagcttt 300
taatttatat tattgttctt gaaaagggtga gtaaatatgc aaattgaata attttaaaat 360
ccaagggcag gttttgtaag aaacttagag ggcagagagg aatttttgta aaggggaaaa 420
attattttat ttt 433
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<210> 2144

<211> 129

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (113)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (115)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (118)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (124)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (129)

<223> n equals a,t,g, or c

<400> 2144

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gaaaaatcac aagccttctg tactttttagg ctttgatatg tctgaactta aaaatgtgaa 60
acatagattg aactttgaat atgaaccata aaacttgcaa aaaaaaaaaa aangnacntt 120
taangtagn 129
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<210> 2145

<211> 423

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

1397

<220>
<221> misc feature
<222> (26)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (29)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (35)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
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<220>
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<222> (312)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (357)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (367)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (391)
<223> n equals a,t,g, or c

1398

<220>

<221> misc feature

<222> (404)

<223> n equals a,t,g, or c

<400> 2145

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cgggcccgag atgtctcgct cntttncent agctntgctc gcgctactct ctctttctgg 60
cctgtaggct atccagcgta ctccaaagat tcaggtttac tcacgtcatc cagcagagaa 120
tggaagtca aatttcctga attgctatgt gtctgggttt catccatccg acattgaagt 180
tgacttactg aagaatggag agagaattga aaaagtggag cattcagact tgtctttcag 240
caaggactgg ctttctatct cttgnactac actgaattca cccccactga aaaagatgag 300
tatgcctgcc gngngaacca tgtgactttg tcacagccca agatagntaa gtgggancga 360
gacatgnaag cagcatcatg gaggtttgaa natgcccgcga attnggaatg gatgaattcc 420
aaa 423
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<210> 2146

<211> 519

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (309)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (371)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (458)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (477)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (510)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (514)

<223> n equals a,t,g, or c

<220>

1399

<221> misc feature

<222> (517)

<223> n equals a,t,g, or c

<400> 2146

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gccacagtct aaggtgctgt acattacctc aaatccgatg agtctctgtc aagcaagcag 60
acatcagcca aatgtgaatg atctcttggg tcatggaatg cctctacagc caagaaatct 120
ctcccctaag gacaagctcc tagatcttga tgacaagcta cttatgaggc ctgggtccag 180
taccatcctt tcaactcgaa attggccaaa tcgagctgtg gagtttagta catcatctct 240
gtcatacaca gtgcagtcca ccaggagacg caatccacca ccacgaactc ttcatccgat 300
cagcacganc cattcatgtg ctgaaacacc aggatctgtg gaagaaattc tcagaggagc 360
ccgagtccca ntggcacccg actcgtcttc cttctccctc accgacgccc ctgagttgaa 420
attaatctgc taccacctat tgggcacagc tgaagtgnaa acatgtgatc actgtgnggg 480
tcacagagac aagatgaatc cccaatggan actntantc 519
```

<210> 2147

<211> 499

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (218)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (313)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (317)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (328)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (337)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (362)

<223> n equals a,t,g, or c

<220>

1400

<221> misc feature
<222> (372)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (382)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (433)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (443)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (462)
<223> n equals a,t,g, or c

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<221> misc feature
<222> (474)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1401

<222> (484)

<223> n equals a,t,g, or c

<400> 2147

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aattcggcac gagcattgag gtgcggaatt acagcagatt gaaacctggg taccgatggg 60
aacggcagct ggtgttcagg agtaagctga ctatgcacac agcctttaat cgaaaggaca 120
atgcacaccc agctgaggtc actgccttgg gcatctccaa ggatcacagt aggatcctcg 180
ttggtgacag tcgaggccga gttttcagct ggtctgtgag tgaccagcca ggccgttctg 240
ctgctgatca ctgggtgaag gatgaagggtg gtgacagctg ctcaggctgc tcggtgaggt 300
tttcactcac agnaagncca caccatttca ggaactntgg gtcagctctt ctgccagaag 360
tncatcgctt tnaatctgaa tnaaacgttt gaaatttcat cccggtgngt gtttgtcaga 420
cttgttattt tanttccagc ttngggnggt nagagggttg cncgaatttt gagntcacca 480
gttngtgggc ctggttgcc 499

```

<210> 2148

<211> 471

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (396)

<223> n equals a,t,g, or c

<400> 2148

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gatgaattga gtgaagctct cctacttata aaggctcaaa aagaacaaaa aaatggagac 60
ctttcctttt tagtgaaagt agatagtga attaataaag atctagaacg ctctatgaga 120
gagctgcaag caactcatgc agaaacggtg caagagctgg aaaagacaag aaacatgcta 180
attatgcaac acaaaattaa taaagattat cagatggagg ttgaggcagt gaccgtaag 240
atggaaaatt tgcagcaaga ttatgaactc aaagtggaac agtatgttca tcttcttgat 300
atcagggtg cagctatcca taaactagaa gaagctgtaa gtttggggag catataagtg 360
ttcttcagct gttggagttt tgcataattc ccatanccaa aattttcaca gaaaagcaag 420
gcagatatcc acgttggtga tatttggttg gcctctgtat ataacggtga a 471

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<210> 2149

<211> 345

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (15)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1402

<222> (45)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (115)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (139)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (142)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (149)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (207)

1403

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (223)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (238)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (245)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (313)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (314)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (318)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (326)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (342)

<223> n equals a,t,g, or c

<400> 2149

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ggaacgggggn ggaantgtga acctcttaaa gttgggtcccc tgccngtacc ggtccggaat 60
tccccgggtcg acncacgcgt ccgtncaaga tgggtgccacc ggtgcaggtc tctcngctca 120
tcaagctcgg ccgatactnc gncctgttnc tcnatagtgg cctacgganc cacgcgctac 180
aattacctaa aacctngggc agaagangag aggaggatag cancagaaga gaaagaanaa 240
agcangatga actgaaacgg attgccagaa aaatggcaag aaagatgcag cattattaaa 300
agtgaagttg aannatgngg aaccanttct tttggaacca ancat 345

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<210> 2150

1404

<211> 346
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (259)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

<400> 2150
agtcgctctc ctagcccttc tntgtgcctc agcctctggc aatgccattc aggccaggtc 60
ttcctcctat agtggagagt atggagggtg tgggtggaaag cnattctntc attctggcaa 120
ccagttggac ggccccatca ccgccctccg ggtccgagtc aacacatact acatcgtagg 180
tcttcagggtg cgctatggca aggtgtggag cgactatgtg ggtgggtcgca acggagacct 240
ggaggagatc tttctgcanc ctgggggaatc agtgatccag gtttctgggn agtacaagtg 300
gtacctgaag gaagctggta ttttntgaca gacaagggcc gtatct 346

<210> 2151
<211> 330
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (133)
<223> n equals a,t,g, or c

1405

<220>
 <221> misc feature
 <222> (203)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (221)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (223)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (251)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (258)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (268)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (298)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (330)
 <223> n equals a,t,g, or c

<400> 2151
 gcagggggct gctttgcatc tgaaactgtc agccccagaa tgttgacagt cgctctccta 60
 gcccttctct gtgcctcagc ctctggcaat gccattcagg ccaggtcttc ctcttatagt 120
 ggagagtatg gangtggtgg tggaaacgat tctctcattc tggcaaccag ttggacggcc 180
 catcaccgcc ctccgggtcc gantcaacac atactacatc ntnggtcttc aggttgccta 240
 tgggcaaggt nttgaacnaa ctattttngt ttgttcccca accggaaaac ctggaagnaa 300
 aatcttttct tgccccctt ggggaaatcn 330

<210> 2152
 <211> 544

1406

<212> DNA
 <213> Homo sapiens

 <220>
 <221> misc feature
 <222> (39)
 <223> n equals a,t,g, or c

 <220>
 <221> misc feature
 <222> (395)
 <223> n equals a,t,g, or c

 <220>
 <221> misc feature
 <222> (493)
 <223> n equals a,t,g, or c

 <220>
 <221> misc feature
 <222> (528)
 <223> n equals a,t,g, or c

 <220>
 <221> misc feature
 <222> (533)
 <223> n equals a,t,g, or c

 <220>
 <221> misc feature
 <222> (542)
 <223> n equals a,t,g, or c

 <220>
 <221> misc feature
 <222> (544)
 <223> n equals a,t,g, or c

<400> 2152
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 tagacatcaa tactgtgcgt taaaggctat gtctgtctgta ctgtgttggt gccctgttgc 120
 agataatgta ggactttcat cagatggcta tttgtacaaa tggttggata acatttttga 180
 ttctctggac aaaaagggtt accagctggg ctgtgaagca gttacgttgt tactggagct 240
 gaaccctgat cagagcaacc tgatgtactg ggctgtggac cgctgctaca cgggctccgg 300
 gaggggtggcg gccggctgct ttaaagccat tgctaattgt ttccagaaca gggattatca 360
 atgtgacaca gtgatgcttc taaatctgat actgnttaaa gcagctgatt cttctagaag 420
 tatctatgaa gttgctatgc aacttttaca gattctggaa ccgaagatgt ttcgctatgc 480
 tcacaaattg gangttcaga gaacagaatg gaggactcac ccagtggntc cnttacacaa 540
 tntn 544

<210> 2153

1407

<211> 236
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (12)
<223> n equals a,t,g, or c

<400> 2153
gcggaacgcgt gnttggacgc gtgggtggag cagtcttcca aatttatatt atcaaggacc 60
tggaagaagct actcatgata gcaggagaag agcggggcact gtgtcttggt gacgtgaaga 120
aagtgaacaa gtccctggcc cagtcccacc tgcctgcca gcccgacatc tcacccaaca 180
tttttgaagc tgtcaagggc tgccacttgt ttggggcagg ccaagaattg agaacc 236

<210> 2154
<211> 402
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (52)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (65)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (97)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (108)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (114)
<223> n equals a,t,g, or c

<220>

1408

<221> misc feature
<222> (120)
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<220>
<221> misc feature
<222> (140)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (148)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (150)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (158)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (159)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (164)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (188)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1409

<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (223)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (299)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (324)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (359)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (380)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (400)

1410

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (402)

<223> n equals a,t,g, or c

<400> 2154

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ggcgccgtgt gcggttaggg cttctgccgc tctccacgc ttgngcagca tnaccgggtc 60
cacantggcg agcggcctta caagtgcgat gactgcngaa aggccttntc ccanagctcn 120
gacctcattc gccaccaacn gacccaennc gnagaccnnc nctnacctgg ggccccagca 180
tggggtggnag gtgtnggcag aagataatgg nccngggagc tanaggaacc tttagggatg 240
atagtgtaga agccgtagga gaatggaatg agctgangat gctggaanaa gagaaccant 300
ggtggaggaa gtgacatgcc ctgnagactt gtgggaagtg gttttagggg aggccatgnc 360
ggtatacggg aggccttgan agaatggag agaggtcaan tn 402
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<210> 2155

<211> 502

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (304)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (366)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (456)

<223> n equals a,t,g, or c

<400> 2155

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gtgaacttcg gtgttcctta cagttagcgg aaacggaaag ggaaggagga ttttctccac 60
acatttctcc tttcactgct gtcaatgacc tgggacatct gcttgggaga gctggcttta 120
atactctgac tgtggacact gatgaaattc aagttaacta tcttggaatg tttgaattga 180
tggaagattht acaagaacaa agtccagaa tgttgaccta attttataaa acaagctgca 240
tatcagctga tgaatgcatg agaaattttc aaggctttca cagtgggtctt aaggatatggg 300
tganagtaac tgtgcttgga atagaaaagc cctgctgcat cgagacacaa tgctggcagc 360
tgcggnagtg tacagagaaa tgtacagaaa tgaagatggg tcagtacctg ctacatacca 420
gatctattac atgataggat ggaaatatca tgagtnacat gcaagaccaa cttgaaagaa 480
gtttccgaac tgtggcattt tg 502
```

<210> 2156

<211> 464

<212> DNA

<213> Homo sapiens

1411

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (17)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (18)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (402)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (408)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (430)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (454)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (459)
<223> n equals a,t,g, or c

1412

<400> 2156

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cccggttcga cccacgcgtc cgcccacgcg tccgcccacg cgtccgggag ttccggaaag 120
ccaaggccag ctccacaggc agcttcacag cacctgatcc cggcctgaag cgcaagtccc 180
ctcctgaggc cctgtcaggg tccttaccce cagccaccac ctgccccgcc tcgtccacgc 240
ctgcgcccac tatcatccct gctccagctg cccccgggaa gccagcctcc gcagccaccg 300
tgaagaggaa gcggaagagc cgggtgggggc ctgaagagga taaggtagag ctcccacctg 360
ctgaactggg gcagagggac gtggatgcct ctccctcgcc tntgcagntc aggacctcaa 420
ggggctcggg tatgagaagg ggaagcctgt gggnctaang ggcg 464

```

<210> 2157

<211> 316

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (212)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (268)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (276)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (283)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (284)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (311)

<223> n equals a,t,g, or c

<400> 2157

1413

tggactnctc ccggtaccgg tccggaattc ccgggtcgcac ccacgcgtcc gcggacgcgt 60
gtttcgcctt ttatgcctat cactaccgct tcaatgggca gtatagcagc ctggccctgg 120
tcacctactg gctcttcac caggtgaggg ctggggcggca agcagggggc aggccagccg 180
tgcctttcca ggcaggagag gctgcagccg gngaggatgc cctgtggggg cggcccaagc 240
gggcagaggt agcgtggatg gtcccggntg ggctgncctc tggnagcagc ggctgggtgg 300
tcaagggcgg ncccg 316

<210> 2158

<211> 362

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (66)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (247)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (256)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (294)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (312)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (315)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (341)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (360)

<223> n equals a,t,g, or c

1414

<400> 2158

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ggcaccgagcg cttgtggagc tgggtggcggc gctcccaggg gctcggctgt tttccgcgcg 60
gcaggncctcg atggcgcaact gggtaaagct ctcaaggagc agaagtacga ccggcagctg 120
aggtttgtggg gtgatcatgg gcaagaggct ttagaatctg ctcatgtttg cctaataaat 180
gcaacagcca caggaactga aattctttaa aacttggtac taccaggtat tggttcgttt 240
acaattnatt gatggnaatc aggtcagcgg agaagatggc tggaaaacaa tttntcttct 300
tcaaagaagc anttntcggg caaaaaccga gctggaaagc ngaccatggg aatttcttan 360
ca 362
```

<210> 2159

<211> 79

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (73)

<223> n equals a,t,g, or c

<400> 2159

```
gacctcgtec gccaaaggatg tgccagccgg cagcttgccg actgccctca atgagctcaa 60
gagactgata canagcatt 79
```

<210> 2160

<211> 446

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (331)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (363)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (417)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (419)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1415

<222> (429)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (439)

<223> n equals a,t,g, or c

<400> 2160

```

gggtatgcag taacattttca gaatgttttg tgtgcgtgtg aagggtgcac aggtgcgtgg 60
ggatggggag ccaggctcag aggtggacgc tggctgcctg ggccacctcc ttccccgagc 120
cccatctggg cgagcagaga gcagagggag agggagtgtc ccggtgcca ggctcccaga 180
gtgctgtcct ctgcccggtt cgtcaagtcc aggtagtggg tcccagtggg gcttcggtgc 240
tggagggcgtc tctgcctcgt ttccggctcc atgttacgct cttagaaacg gagttgattg 300
tggttgaggg ggaaggaagg gttccccgca nacgtcctct ctcttctaca aagtgtgggc 360
aanagccagg gccagtgagg gctgctgtgc atgagtggcc tgagacaaag cgctgtncnc 420
cgttgagana tgggctccna agaaac                                     446

```

<210> 2161

<211> 450

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (341)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (361)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (386)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (400)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (415)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (448)

1416

<223> n equals a,t,g, or c

<400> 2161

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gggcctgtcc acgtccccct ctgtccttaa ctccaggaga ccttgggtca cgtggacagc 60
aatggagttg ggggaagggc cctgaaggca gccccaggcc tgactgtggg cctccagcta 120
caggcatttg tgtttgggca ccagctaccc cacatcccag ccggtcatct ctgggcataa 180
acccccaccc cccagaaagg aggcttcctg tccctcttgg gcaccagctc agccaaaagc 240
cagaaagctg ctctggagca taacctgacc cccccacggc gaggcagggc agtcttctct 300
ggctggcact gctctgggca tagaattgat ccttcatcaa nctttacccc aaaaaagaag 360
ngtcttctct ggtgaaggac aaagtngggg aaggcaacan ggctggggct taaangccct 420
tcaccagcca ttcaagggtt gccttttnaa 450
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<210> 2162

<211> 405

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (24)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (357)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (385)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (394)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (395)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (396)

<223> n equals a,t,g, or c

<400> 2162

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agcttcctct gggaaacgcc ccantatagg gatagctggt acgcctgcag gtaccgggtcc 60
ggaattcccg ggtcgacca cgcgtccggg acccaacttc tctcaccgcc atggagttcg 120
acctgggagc agccctggag cccacctccc agaagccccg tgtgggggag ggccacgggg 180
```

1417

```

gagatcccaa gctcagtcct cacaaagtcc agggcccggtc ggaggcaggg gcagggtccgg 240
gtccaaagca aggacaccac agctcttccg actccaagca gcagctccag cgattcggac 300
acggatgtga aggtaagggg ctctcgcagc gtcccaagca cgtgccctgc accccanaga 360
ggcgccccg actggggctg gcgngaggg tgcnnngagt ggtcc 405

```

<210> 2163

<211> 280

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (254)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (266)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (272)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (275)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (280)

<223> n equals a,t,g, or c

<400> 2163

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gggggcttgg cctcaagcat ctctggaagc ctgctgtgga ggcctatgga gagtttctct 60
gcatgtttga ggaaaattat cccgaaacac tgaagcgtct ttttgttggt aaagcccca 120
aactgtttcc tgtggcctat aacctcatca aacccttcct gagtgaggac actcgtaaga 180
agatcatggg cctgggagggt ggcagtttat gtcagatgga gcggatgttg gttttgggat 240
tttctgaag accnagatgg gagaanaggc ancngncagn 280

```

<210> 2164

<211> 488

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (17)

<223> n equals a,t,g, or c

1418

<220>
<221> misc feature
<222> (53)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (54)
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<220>
<221> misc feature
<222> (66)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (73)
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<400> 2164
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cctggntcga cgcgcgcaaaa ttacactgct cgcacaatgt agatttagaa gaggctggaa 120
aagaggggtgg aaaaagcagg gaggttatga ggcttaataa agaagatatg cacttatttg 180
gccattaccc agcacatgac gacttctatc tcgtagtggt cagtgcctgt aaccagggtcg 240
tcaagccaca ggttttccag tcgcaactgc cggggcctgc aactgttcca cttcttgat 300
cctccttcag cttctctgac tcctgggcca ggtgtgtgca tttagctcca tgctgaagag 360
ctgcagcttc tgcaggacat ttgtaccatc gaggtcaaag gcaacaagaa gtgacatgag 420
tttcagtcca tcttcatgag gttccagtta aggccgtgtga attcgcaatt gttcttcccg 480
actgcctg 488

<210> 2165
<211> 502
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (25)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
<223> n equals a,t,g, or c

1419

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<221> misc feature
<222> (47)
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<220>
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<222> (61)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (72)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (75)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (89)
<223> n equals a,t,g, or c

<220>
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<222> (98)
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<220>
<221> misc feature
<222> (126)
<223> n equals a,t,g, or c

<220>
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<222> (146)
<223> n equals a,t,g, or c

<220>
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<222> (149)
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<220>
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<222> (151)
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1420

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<222> (157)
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<220>
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<222> (169)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (176)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (180)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (186)
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<220>
<221> misc feature
<222> (190)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (211)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (224)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>

1421

<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (247)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (339)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (362)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (375)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1422

<222> (376)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (446)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (454)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (477)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (484)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (497)

<223> n equals a,t,g, or c

<400> 2165

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ggttaaaagt ggantgtatg ttgtnataga agttaaagtt gcanctnatt atggaataga 60
nataacctgt cnaanttata tgatgacana ttaccaangt gctcccccat cccacagta 120
tagaangatt atttgcattg gtgcanaana naatggnttg ccgctggant atcaanagan 180
gttaanagcn ttanaaccaa atgactatac ntgaaagggtc tcanaagaaa ntgangacat 240
catcannaag ggggaaacac anactcttta gancataaca gaatatatct aagggtattc 300
tatgtgctaa tatanaatat tattaacact tganaacang gatctggggg atctccacgt 360
tngatccatt ttcannagtg ctctgagagg agtatcttac ttgggggtgac tccttgtttt 420
tagactatac tcagaaactg ggatanggag ttanaccatt taaaacgggt gtatganggc 480
ctgnaatatg tgacaantga at                                     502

```

<210> 2166

<211> 455

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (36)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1423

<222> (83)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (85)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<220>
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<220>
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<222> (230)
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<220>
<221> misc feature
<222> (279)

1424

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (291)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (293)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (317)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (320)

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<220>

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<222> (327)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (405)

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<220>

<221> misc feature

<222> (412)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (441)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (444)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (454)

<223> n equals a,t,g, or c

1425

<400> 2166

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gcggggtgccg agcactgcct ccgggcttcc cccaangacc acgcttagcg gtggcttctt 60
cgttgctgta attgaacggg tcnanatgcc nacgtgagtg agtgggggca tgcttgggaa 120
gcgcaggatg gtactggcac atctaacatc tacattctc tagctcanc ctcacaggcca 180
aagcatcagc accanaacgc acacccancc catcccnna nagaaagaan gaaacagcca 240
agacccacc cggtgcttgc acaccgcctt tgcacatanc aaaagctcca ngnttactcc 300
ttcctgggtg ggaaaaanaa atgcctntcc tctccctgga aagacctggg cctccccgc 360
aggcaacaat ttgcattttg aaaagttatt gggttccttc ctccnggctg tnttcttgct 420
tgtaaccaa aatttttcct nccnaaatta aatnc 455

```

<210> 2167

<211> 436

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (432)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (433)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (434)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (435)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (436)

<223> n equals a,t,g, or c

<400> 2167

```

gaaagagttg gaattgtaca aagaggaact tcagacaaaa cctgcactct tggcagttaa 60
taaaatggac ttgccagatg cccaagataa gttccatgaa ttgatgagcc agctccagaa 120
tcctaaagat tttctgcatt tatttgaaaa aaacatgatt ccagagagga ctgtagagtt 180
ccaacatatc atccccatat ctgcagttac tggagaagga atcgaagaat taaagaattg 240
tataagaaag tcaactggatg aacaggccaa ccaggaaaat gatgcacttc ataagaaaca 300
gttgcttaat ttgtggattt ctgatacaat gtcttctact gagccaccat caaagcatgc 360
tgttactact tccaaaatgg atataattta aatatattaa aaatgggtatt gatggaacag 420
taaaaaaaaa annnnn 436

```

1426

<210> 2168
<211> 542
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (54)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (57)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (91)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (171)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (213)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (217)
<223> n equals a,t,g, or c

<220>
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<222> (219)
<223> n equals a,t,g, or c

<220>
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 agacctttcg aatgtattga atgtggaaag gccttttagta atggttcatt ncttgctcag 180
 catcagagaa ttcatacagg agagaaacct tangtgngna atgtgngngn gaaagccttt 240
 agccatcggtg gatacctaatt tgtacatcag agaattcata ctggngagag accctacgaa 300
 tgtaaggaat gtangaaagc cttcagncag tatgcacacc ttgctcaaca tcagagagtt 360
 catactggag aanancctta tgaatgtaaa gtattgttng aaagccttca gncaaattgc 420
 ataccttgat caacatcaga gggntcatac tggagagaaa ccctatgaag gtattggaat 480
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tttgcaccag tacaaacagg gtattgaagt tagcgaccag gttgacgctc ttcagattcg 180
cggcggttaa aatggcgacg aggttaccac ccacanccan gggggggcact ttccgggggaa 240
gagggcgggg agatagattt tnggccaaca agacgttaat natngggcaa aaanggggnt 300
aattccagcn agggntgnnc caggcngntc cataaantnc cgngnggggg gntnaaatnn 360
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1433

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gatgctctca gggaatttaa tgaagaagga gctctgtctg tactacagca gttcaaggaa 180
agtgacttat cacatgttca gaacaaaagt gcatttttat gtggagttat gaagacctac 240
aggcagagag agaaacaggg gagcaagggt caagagtcca caaagggacc tgatgaagcg 300

1434

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aagatcaagg ccttgcttga gagaactggt tatactctgg atgtaaccac aggacagagg 360
aagtatggtg gtccttcacc agacagtgtg tactctggcg tgcaacctgg aattggaacg 420
gangtatttg taggcaaaat accaagggat ttatatgagg atgaattggt gccccTTTT 480
gagaangccn gacccatttg ggatctacgt cttatgatgg atccactgtc cggcagaata 540
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gacccccctt gcggggggga tgcgtgcatt tatcagatca aaaccaaccc ggtcagcccc 120
tctccggccc cggcnggggg gcgggcgcgc gcggccttgg tgactctaga taacctcggg 180
ccgatcgcac gccccccgtg gcggcgacga cccattcgaa cgtctgccct atcaactttc 240
gatggtagtc gccgtgccta ccatggtgac cacgggtgac ggggaatcag ggttcgattc 300
cggagagggga gcctgagaaa cggctaccac atccaaggaa ggcagcaggc gcgcaaatta 360
cccactcccc acccggggag gtagtgacga aaaataacaa tacaggactc ttctgaggcc 420
ctgtaattgg aatgagtcca ctttaaatec tttaacgagg atccattgga gggcaagtct 480
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1435

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ggaggntnaa tggcncggac atggaagccc acgctggtca tcctgnggat caaacgggct 120
ggccgatgcn tgcgctgggn ccccaacgag aacaagggtg ctgtgggcaa cggatctnng 180
gaganctcca tctggtatatt ccagcaagga gaatgactag gngggtttag caaagcacat 240

1436

naagaagncc at

252

<210> 2173

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<212> DNA

<213> Homo sapiens

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gagaaggaac tgaaagtaag atgtattcat aaaaataaca taatgataat ggcagctatt 180
tttttgagta cttactctac agcagacact aagtgcattcc atcacatgca tgctttaacc 240
cactcataac tccacagtgt gtaggtatatt ataagcaaga aaatgactgg gttagataag 300
ttgaataatt taccgaagga aatagggaaa ttgngatttg aaccagattc tttacttttt 360
aaacactatt tatgcagcct gcttagtttc taaaatagtc aaaggggggtt tttttggttg 420
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1437

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1438

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 ctggcccaag aatggacttc tanacatgaa caagggcctc agcctgcaac acataggccg 180
 gccccacacc ggcattgacg actgcaagaa acattgccna catcatgaan aactcgcct 240
 atcgaggctt catcttcaag cagacatcna anccgttctg attggcccaa gacaagatgg 300
 ggcacgacaa ggtnactgtt tggcccaccc aaaatcctcc tctccctcac canaaggga 360
 aaaggaaaaat ggcatactct gtgtccagaa tgtcccanct gcctgtnggc tctgcccttg 420
 gcgtttggctt ttcccttgca agggctntgc ccttgggcct tctggaacaa aacttttttc 480
 cccccatccc accctcatct caccagtat caccctccc ttgcgggctg ggctagggga 540
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 cagtgcacgg cccactcct cagctctgct ccccatccca actcgaagac gctgccttg 180

1439

cctgtgtgt gcagctcatg tggactggga gggcagggca ggtgcaggtc ttggggcaag 240
agctngagct gtcttttctt tcctgcacag ccgcagagca ggtggatggg gctgcttccc 300
tgcaaggccc cagggccagg cccctgggg atttattcgt ggcttagaag ggtggggcca 360
gaagcaggcg tagtggggat tagggactca gcaccccag ctctcagtc agcagacaga 420
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<212> DNA

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 ggcataaaaag tatcaacatc agatcaatat gatgttttgc acaggcatgc tctctactta 180
 ataatccgga tgggtgtgta cgatgacggt ctggggggcgg gaaaaagctt actgggtctg 240
 aagaccacag atgcnagcan tgaggaatac agactgtggg tttatcangt gcaacannct 300
 ggaacaanca caagccattt gcanggctnt atacaccgct tttgactctg tattaacatc 360
 tgagaaaacc ttgnatcctt nnaattaagt agaagnctaa cttnatctga aaagttcatc 420
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1441

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cctccaccaa gggcccatcg gtcttccccc tgggcaccct cctccaagag cacctctggg 180
ggcacacggg ccctgggctg cctgggtcaag gactacttcc ccgaaccggt naggtttctt 240
ggaaactcag gcgccttnac cagcgggggtt tcacaccttc ccgggtgttc ctacagtcct 300
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aaactact 368

<210> 2178
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1442

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ctgtacctgc agacggagct gtgcggggcc agcctgcagc aacactgtga ggcctggggt 180
gccagcctgc ctgaggccca ggtctggggc tacctgcggg acacgctgct tgccctggcc 240
catctgcaca gccagggcct ggtgcacctt gatngtcaag cctgcccaaca tcttcctggg 300
gccccggggc cgctgcaagc tggttgactt cngactgntg gtanacttgg gtacagcna 359
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<220>

1443

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<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (288)
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<222> (290)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1444

<222> (296)
 <223> n equals a,t,g, or c

<220>
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 <222> (297)
 <223> n equals a,t,g, or c

<220>
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 <222> (323)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (346)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (361)
 <223> n equals a,t,g, or c

<220>
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 <222> (363)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (407)
 <223> n equals a,t,g, or c

<400> 2179
 gcggcacgag caatcatata ccaaattctct ccctcactaa acgtaagcct nctcctcact 60
 ctctcaatct natccatcat agcaggcagt tgagggtggat taaaccaaac ccagctacgc 120
 aaaatcttag catactctc aattaccac ataggatgaa tnntagcagt tctaccgtac 180
 aaccctaaca taancattct taatttaact atttatatta tcctaactac taccggatnc 240
 cnactactca actnnggggc cagcaccacg ancctacnan tatctcgnan ctgaannaat 300
 ctaacatgac taacaccctt aantccatcc accctcctct ccctangaag cctgcccccg 360
 ntnaccggct ttgagcccag atggggccatt gtccaaaaaa acacctnaaa c 411

<210> 2180
 <211> 610
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (540)
 <223> n equals a,t,g, or c

1445

<400> 2180

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gcggaacgagg agcttgaggc gctgaggaga cagaggctgg ccgagctgca ggccaaacac 120
ggggatcctg gtgatgcggc ccaacaggaa gcaaagcaca gggaagcaga aatgagaaac 180
agtatcttag cccaagttct ggatcagtcg gcccggggcca ggtaagtaa cttagcactt 240
gtaaagcctg aaaaaactaa agcagtagag aattacctta tacagatggc aagatatgga 300
caactaagtg agaaggtatc agaacaaggt ttaatagaaa tccttaaaaa agtaagccaa 360
caaacagaaa agacaacaac agtgaaagta agtgtcccca gatgcttggt gcaaataaaa 420
agatggatac tttaaagatt aatgttgagt atacatctac cacacatatt tttcagccca 480
gagacatttt tcctttttgtc aaacacgtga aagtttgggg agaaaggctg aatctgttgn 540
gggaggggtt taatttttta taggctcttt gactccattc ccaccctttt aagttcacgc 600
ttaagttggt                                     610
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<210> 2181

<211> 504

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (354)

<223> n equals a,t,g, or c

<400> 2181

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gaggtaacca cgtttcagct cgctgtattg tttgcatgga accaaagacc cagagagaaa 60
atcagctttg aaaatcttaa gcttgcaact gaactccctg atgctgaact taggaggact 120
ttatggtctt tagtagcttt cccaaaactc aaacggcaag ttttggtgta tgaacctcaa 180
gtcaactcac ccaaagactt tacagaaggt accctcttct cagtgaacca ggagttcagt 240
ttaataaaaa atgcaaaggt tcagaaaagg ggtaaaatca acttgattgg acgtttgcag 300
ctcactacag aaaggatgag agaagaagag aatgaaggaa tagttcaact acgnatacta 360
agaacccagg aagctatcat acaaataatg aaaatgagaa agaaaattag taatgctcag 420
ctgcagactg aattagtaga aattttgaaa aacatgttct tgccacaaaa ggaaatgata 480
aaagtgcatt agagtggcta atag                                     504
```

<210> 2182

<211> 527

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (442)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (492)

<223> n equals a,t,g, or c

<220>

1446

<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (506)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (527)
<223> n equals a,t,g, or c

<400> 2182
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accgccacgg cctcatcagc agctgtgggc tcaggccccc ctcccagggc ggagcaggcg 120
tggccgcaga gcagcgggga ggaggagctg cagctccagc tggccctggc catgagcaag 180
gaggaggccg accagccccc gtcttgccgc cccgaggacg acgcccagct ccagctggcc 240
cttagtttga gccgagaaga gcatgataag gaggagcgga tccgtcgcgg ggatgacctg 300
cggctgcaga tggcaatcga ggagagcaag agggagactg ggggcaagga ggagtcgtcc 360
ctcatggacc ttgctgacgt cttcacgggc ccagcttctg cccgaccaca gacctctggg 420
ggggcccaca cccatgggtt gntgccgtcc cacgggttgc ccaacttgga cccctggggc 480
gggccccctg tnccttcanc tgctgnatcc cctggggaag gttcaan 527

<210> 2183
<211> 333
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (4)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (6)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (277)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (287)
<223> n equals a,t,g, or c

<220>

1447

<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (321)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (328)
<223> n equals a,t,g, or c

<400> 2183
gcctnngcgt ccgattttaa tgacatctat gaggaagagc catttaattt tcaaattggc 60
tataatgagt ttcagaagtt tgttcaaagg aaagcacatt ccgtttataa ttttgaaaaa 120
cctgttgtca tgaaggcttt tgaacacttg cagcaattag aattaataaa gcccatggaa 180
agaacttcag gaaattcaca gagagagtc agctgatgaa actgcttttg gataatactc 240
aaattatgaa tgctctgcag aaaatatccc aactggcncta cagatgngaa gccangggcc 300
acatcctact taacctgggt ntggaatnta acc 333

<210> 2184
<211> 230
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (194)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (226)
<223> n equals a,t,g, or c

1448

<400> 2184

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gctcgtgccg aattcggcac gagtttggac caatccacaa ataaaattgt ctctgactga 60
gaaagatgag gggcaggagg agtgtagttt ccttgtagcc ctgatgcaga aagatagaag 120
gaaactcaag agatttgggtg ccaatgtgct gacaatcggc tatgccattt ataattgccc 180
taacaaaaac aaannctnaa acaaaaatcc tccaaatccc ncctcnctcg          230
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<210> 2185

<211> 418

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (2)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (12)

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<220>

<221> misc feature

<222> (17)

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<220>

<221> misc feature

<222> (325)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (345)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (402)

<223> n equals a,t,g, or c

1449

<220>
<221> misc feature
<222> (407)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (415)
<223> n equals a,t,g, or c

<400> 2185
tnnccacnac tncatatnggg aaagctggta cgcctgcagg taccgggtccg gaattcccgg 60
gtcgacccac gcgtccgaag gctttgaaga gaggtccct gctgggctgc ttcattgata 120
ccagaagtgc tgcagaatct gagggcccga cgcctgttgg tcttattaag ggcatgcct 180
acagtgtaac gggaattgac caggtaagct tccgaggcca gagaatcgag ctcacccgaa 240
tccggaaccc ttggggccag gttgagtggg acgggtcgtg gagcgacagt tctccggagt 300
ggcgttctgt tgtccaactg agcanaagcg tctgtgtcac actgntctgg atgatgggga 360
attctggatg gcatttaagg acttaaggcc cctttgataa antgganac tgcancct 418

<210> 2186
<211> 512
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (401)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (438)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (499)
<223> n equals a,t,g, or c

<220>

1450

<221> misc feature

<222> (511)

<223> n equals a,t,g, or c

<400> 2186

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gaacaaccag ctgctgcact tcgccttccg ggaggacaag cagtggaagc tgcagcagat 120
ccaggatgcc agaaaccatg tgagccaagc catttacctg cttaccagcc gggaccagag 180
ctaccagttc aagacaggcg ctgaggtcct caagctgatg gacgcagtga tgctgcagct 240
gaccagagcc cgaaaccggc tcaccacccc cgccaccctc accctccccg agatcgccgc 300
cagcggcctc acgcgggatgt tcgcccctgc cctgccgtcc gacctgctgg tcaacgtcta 360
catcaacctc aacaagctct gcctcacggt gtaccagctg natgccctgc agcccaactt 420
caccaagaac ttcgccanct gggggcgcgg ngctgcataa ccctgggggc atgttcnaat 480
ggggctttaa cgcctggang tgaaccacgt nc 512
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<210> 2187

<211> 458

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (19)

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<220>

<221> misc feature

<222> (37)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (79)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (87)

<223> n equals a,t,g, or c

<220>

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<222> (90)

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<220>

<221> misc feature

<222> (98)

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<220>

1451

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<222> (131)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (152)
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<220>
<221> misc feature
<222> (202)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (246)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (332)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (350)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1452

<222> (418)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (420)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (421)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (422)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (453)
<223> n equals a,t,g, or c

<400> 2187
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tgggtgctgcc agctttatna tgggtggncen cctagccntc aatgtttcca aggcccgcaa 120
gaagtacaaa ntggagtggga cactttccatt angattctca cacactcaat ttctgttctt 180
ctattaaggg aaatcttaaa angatgtggt atttgatgac tcttaagaag ntctatatcc 240
ctacantatc tttgtgatgc atctgaaatc cccattgatg cttnacgtca atgaaaagca 300
cngaattggn gcaaagctgc ctctttccct tntgcaacta cagcgcaaan atacatcctt 360
attcctggat atttaataaa aacattgact ctgcttctga aaattgaaaa ccttgtcnen 420
nnaattttta accaaaattg aatgggtctct tcnagggt 458

<210> 2188
<211> 337
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (13)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (44)
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<220>
<221> misc feature
<222> (62)

1453

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (105)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (153)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (160)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (171)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (178)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (196)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (221)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (225)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (229)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (269)

<223> n equals a,t,g, or c

1454

<220>

<221> misc feature

<222> (277)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (287)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (294)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (327)

<223> n equals a,t,g, or c

<400> 2188

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gccccacgcgt ccncgctgcc cagcctccgg cccgaggccg ctgnccagct cctgcgctcg 60
gngcccaagg tctgcgtcac cgtcctgccc cccgacgaga gcggnccggc ccgcaggagt 120
ttttcggagc tgtacacgct gtcgctgcag gancctagcn ggcggggggc nccagatnct 180
gtgcaggatg aggtcnaggg ggtgaccctg ctgtccacca naaancagnt gctgcacctg 240
tgccctgcaag atggtggtaa gtcctccang gcctggngat ctggccnagg agangactga 300
gttcctgcac agtcagaact cgctgtnact acgcaag 337
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<210> 2189

<211> 526

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (327)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (449)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1455

<222> (481)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (482)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (494)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (524)
<223> n equals a,t,g, or c

<400> 2189
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gggagcaaac tttacccggg catcgaacat cacaatgatc ctgaaaggaa ccagtacctg 120
tgataaggat gtgtgagtcg aaataactaat aattttatcct cggtaacgta acgctcaaac 180
ctgtgccaaa ggaatatcag tgtgattata accttaatat agtcaaatta ttgccatgcc 240
ccaaagcagg ccaattagtc agagtatttg acataatata attccaacac gtaaaataat 300
tttcacaaca gatctgaagt tcattgngag agaattctgtt ctgtgttatt ccccaaaaat 360
ctcaagtata tagtcatttc aagatgttgc ctggttgggg tcttgattca ttttcagtaa 420
caaaatcaag tatatggagt acaaacatna ttctttaagg tgatgcactt tggaaaaaaa 480
nntgagtcct ttgnaatttg atgaaggaat tttttgggag caantt 526

<210> 2190
<211> 553
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (3)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (5)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (10)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1456

<222> (24)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (34)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (285)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (344)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (364)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (394)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (451)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (477)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (480)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (489)

1457

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (519)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (523)

<223> n equals a,t,g, or c

<400> 2190

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gcaggtaccg gtccggaatt cccgggtcga cccacgcgtc cgcggacgcg tgggtgggca 120
tgcagctgga cagagcaagc agctctctgt atgttgcggt ctctacctgt gtgataaagg 180
ttcccccttg ccggtgtgaa cgacatggga agtgtaaaaa aacctgtatt gcctncagag 240
acccatattg tggatggata aaggaagggt gtgcctgcag ccatntatca cccaacagca 300
gactgacttt tgagcaggac atagagcatg gcaatacaga tggnctgggg gactgtcaca 360
attnctttgt ggcactgaat gggcattcca gttncctctt gcccagcaca accacatcag 420
attcgacggc tcaagagggg tatgagacta ngggaggaat gctggactgg aagcatntgn 480
ttgactcanc tgacagcaca gacccttttg gggcaaggnc ttnccataat caccaaagac 540
aagaagggag tga 553
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<210> 2191

<211> 627

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (525)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (597)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (606)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (610)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1458

<222> (611)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (612)

<223> n equals a,t,g, or c

<400> 2191

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ctgagcctgt gccaggattc cagggggata ccctgcagct agcattcatt gacctcagac 120
aactccttga cctgtttatg gtttgggatt ggtctactta cctagctgat tatgggcagc 180
cagcttctaa gtaccttcgg gtgaatccaa acacagccct tactcttttg gagaagatga 240
aggatactag caaaaagaac aatatatttg ctcagttcag gaagaatgat cgagacaaat 300
agaagttgat agagacagtc gtgaaacagc tgagaagttt ggtgaatggt atgtcccagc 360
acatgtagac ctcacatggc ttgcactcag tgacaccaa tccatgattc aatgttgatc 420
ttgagcaagt attggtcatg atacagtaat ttgtttacag aatccaaaaa tacaatagag 480
aagatacatg agggcttaaa caagaaatag taataaatat cattngtatt ggatttttaa 540
ataatcgatc tattttatat atggaaaaaa aatgaccatt ttttcacttt taggggnaaa 600
attgcnaaan nngtaatact taaattg 627
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<210> 2192

<211> 343

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (269)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (308)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (315)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (321)

<223> n equals a,t,g, or c

1459

<220>

<221> misc feature

<222> (334)

<223> n equals a,t,g, or c

<400> 2192

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gtaggatcat tccttttttt gttccattta gagaaataac gtatgcagtg ggacccaaat 120
tctttttcac tcattgcatt attttgctct aaatacaggt aagtgtgtta acagaccagg 180
tggagggtca gggagagaaag attcgagatt tggagttttg cttgaagagc acagagagaa 240
gttgaatgcc acagaagaaa tgctggaana ggtatgtcaa aggccagAAC caagatggga 300
ttccctgntg aactntgtga natgctgcat tctntgttgg gtt 343
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<210> 2193

<211> 642

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (522)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (568)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (609)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (611)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (624)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (639)

<223> n equals a,t,g, or c

<400> 2193

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gctgcgagaa gacgacagaa gggtagggct gcgagaagac gacagaaggg tacggctgcg 60
agaagacgac agaaggggtt ttcgcaacgg gtttgccgcc agaacacagg tgctgtgaaa 120
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1460

```

actacccta aaagccaaaa tgggaaagga aaagactcat atcaacattg tcgtcattgg 180
acacgtagat tcgggcaagt ccaccactac tggccatctg atctataaat gcggtggcat 240
cgacaaaaga accattgaaa aatttgagaa ggaggctgct gagatgggaa agggctcctt 300
caagtatgcc tgggtcttgg ataaactgaa agctgagcgt gaacgtggta tcaccattga 360
tatctccttg tggaaatttg agaccagcaa gtactatgtg actatcattg atgccccagg 420
acacagagac tttatcaaaa acatgattac agggacatct caagcttgac tgtgcttgtc 480
ctgattggtt gcttgctggt gttggtgaat ttggaagctg gnattctcca agaatgggca 540
agaccccgag agcattgccc tttctggntt acaccacttg ggtggggaaa caacttaaat 600
ggcgggggnt naacaaaaat gganttcac ttgggccnc cc 642

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<210> 2194

<211> 239

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (194)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (195)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (212)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (237)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (238)

<223> n equals a,t,g, or c

<400> 2194

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gtgaaaaacc atatggcata gttgaaaaga agtccagaat attccctggt gatacaattc 60
tggagactgg agaagtaatt ccaccaatga aagaatttcc tgatcaacat cattaaagat 120
tatgtaaaaa gttaaaaggc ttatgagcct aagtttggtc ctatattacc atatttactg 180
aattttcttg aaanntaact tttaaataaa antttaatct cagaaatttg tcattgnnc 239

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<210> 2195

<211> 290

<212> DNA

<213> Homo sapiens

1461

<220>
<221> misc feature
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<220>
<221> misc feature
<222> (209)
<223> n equals a,t,g, or c

<220>
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<222> (221)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (287)
<223> n equals a,t,g, or c

<400> 2195
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ggagccatgg agagtgactt ttatctgcgt tactacgtgg ggcacaaggg caagttcggc 120
cacgagttcc tggagtttga gtttcgaccg gacgggaagt taagatatgc caactcagct 180
gctgctgntt ccatgtgttc tgggttcana ggtcatggct ncaccggtca gacnctgag 240
tgnctcaggg tttggcaatg gaatttttaa tgtaataaat ctttatngaa 290

<210> 2196
<211> 377
<212> DNA
<213> Homo sapiens

<220>
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<222> (5)
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<220>
<221> misc feature
<222> (271)
<223> n equals a,t,g, or c

1462

<220>
<221> misc feature
<222> (313)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (315)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (349)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (365)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (376)
<223> n equals a,t,g, or c

<400> 2196
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cacccaagac cgagactggg aggcgtattg gcggctactc tttaaaaaga tatctttaga 120
ggacattcaa gcttttgaaa agacatataa aggttcggaa gaagagctgg ctgatattaa 180
gcaggcctat ctggacttca aggggtgacat ggatcagatc atggagtctg tgctttgcgt 240
gcagtacaca gaggaacca ggatgaagga ntatcattca gcaagctatt gacgccggag 300
aggtcccatc ctntnaatgc ctttgttcaa agattcgaaa caaaggtgna tgcaagggaa 360
aaggngggct caggang 377

<210> 2197
<211> 541
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (92)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (166)
<223> n equals a,t,g, or c

<220>

1463

<221> misc feature
<222> (168)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (205)
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<220>
<221> misc feature
<222> (206)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (263)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (265)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (284)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (302)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (304)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (310)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1464

<222> (318)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
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<220>
<221> misc feature
<222> (334)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (347)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (348)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (360)
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<220>
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<220>
<221> misc feature
<222> (373)
<223> n equals a,t,g, or c

<220>
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<220>
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<222> (389)
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<220>
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<222> (415)

1465

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<220>

<221> misc feature

<222> (422)

<223> n equals a,t,g, or c

<220>

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<222> (446)

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<221> misc feature

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<220>

<221> misc feature

<222> (485)

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<220>

<221> misc feature

<222> (489)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (499)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (523)

<223> n equals a,t,g, or c

<400> 2197

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caaagagtct accctgcacc tgggtgctccg tctcagaggt gggatgcaga tcttcgtgaa 60
gacctgact ggtaagacca tcaccctcga antggagccg agtgacacca ttgagaatgt 120
cgaggcaaaag atccaagaca aggaaggcat cctcctgac cagcanangt tgatctttgc 180
cggaaaaacag ctggaaaatg gtcgnnccct gtctgactac cacatccaaa nagatccacc 240
ctgcacctgg tgctccgtct canangtggg atgcaaactt tccngaagac ctgactggta 300
anancatcan tctcgaantg gaccaaatgn cacnttgaca atatcgnngc tagatcccan 360
acaaagaaaag ngncctctct gaacancana agttgatctt ttgggtgggga aacanttgga 420
anatggaccc cctgtcttg actacnacat cccgaaagat ttccccctt gnccttggg 480
tgctnccnc ctttataang tgggggatgc aaaatcttcc ctntcaaaaa accccgaatt 540
g                                                                 541

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<210> 2198

<211> 282

1466

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (22)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (67)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (169)
<223> n equals a,t,g, or c

<220>
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<222> (189)
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<220>
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<220>
<221> misc feature
<222> (214)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (244)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (268)

1467

<223> n equals a,t,g, or c

<400> 2198

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agggggatnt caatcggaaa cnctaacaan tttaaccagg aaaccgctat gaccatgatt 60
acgccangct ctaatacgac tcactatagg gaaagctggt acgcctgcag gtaccgggcc 120
ggaattcccg ggtcgacca cgcgtccggg gttcagagct ttctggagng atatcttcag 180
cttgtgatna agagncaa atggaacgaa gagngatcac gatttctaaa tcagaatatt 240
ctgngcactc atctttggca tccaaagntg atgttgagca gg 282
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<210> 2199

<211> 507

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (79)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (97)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (188)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (202)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (225)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (229)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (300)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1468

<222> (312)
 <223> n equals a,t,g, or c

<220>
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 <222> (322)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (404)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (418)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (474)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (480)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (484)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (507)
 <223> n equals a,t,g, or c

<400> 2199
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 gcgggcgcta cgccacctng agtcgtggtg cgtccanaga gacaaatacc gatactttgc 120
 ttgtttgatg agagccccgt ttgaagaaca taagaatgaa aaggatatgg cgaaggccac 180
 ccagctgntg aatgaagccc anggaaagaa ttctggtacc gcagnattna cagccataca 240
 tcttcctga ctctcctggg ggcacctcct atgagagata cgattgctac aagggtccan 300
 aatggtgctt anatgacttg gnatccttct gagaaggcaa tgtatcctga ttactttgcc 360
 aagagagaac agtgaagaa actgcggagg gaaagctggg aacnagaggt taagcagntt 420
 gcaggaggaa acgccacctg gaggtccttt aactgaaagc ttttgcccc tgencgaaan 480
 gaangtgatt ttgccccac ttgtggn 507

<210> 2200
 <211> 331

1469

<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (314)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (330)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (331)
<223> n equals a,t,g, or c

<400> 2200
gcgctgttgc ttgggaaaaa gggcatcgag aagaacctgg gcatcggcaa agtctcctct 60
tttgaggaga agatgatctc ggatgccatc cccgagctga aggcctccat caagaagggg 120
gaagatttctg tgaagaccct gaagtgagecc gctgtgacgg gtggccagtt tccttaattt 180
atgaaggcat catgtcactg caaagccgtt gcagataaac tttggatttt aaattgcttt 240
ggngatgatt actggattga catcatcatg ccttccaaat tgggggtggc tctgngggcc 300
cttaataaag ccgncttgat tttaaaaaan n 331

<210> 2201
<211> 476
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (137)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (325)
<223> n equals a,t,g, or c

1470

<220>

<221> misc feature

<222> (450)

<223> n equals a,t,g, or c

<400> 2201

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ctcgtgttct tgctgatatt accaagtcac tgactaatcc tacgccaata caaqagcaac 60
tgagacgctt cactgaacat aactccagtc caaatgtcag tggaagcctc tcctctgggc 120
tgcagaaaat atttgangac cccactgaca gtgatttgca taaactaaaa tctccaagcc 180
aggacaacac agacagctac ttcagaggga aaacattatt gctgggttcag caagcctcct 240
ctcagagcat gacttattct gaaaaggatg aaagggaaag tagccttcct aatggtcgga 300
gcgtctccct catggacctc caggncactc atgctgctca agtggagcat gcctctgtca 360
tgcttgatgt gcctatacgc ttgaccggaa gccagctttc cataaccagc gtggccagca 420
tcaaacagct gcgggaaacc cagagcactn cccaaagtgc accccaagtg agaagg 476
```

<210> 2202

<211> 209

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (7)

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<220>

<221> misc feature

<222> (9)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (18)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (66)

<223> n equals a,t,g, or c

<220>

1471

<221> misc feature
<222> (88)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (96)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (102)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (121)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (161)
<223> n equals a,t,g, or c

<220>
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<222> (184)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (185)
<223> n equals a,t,g, or c

<220>
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<222> (188)
<223> n equals a,t,g, or c

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cgacgncata cactcttcta tagtagcnac ctacantcaa tncactggcc gtcgttcaac 120
naccgagcacg actgggaaaa ccctggagct acccaactta ntacgccttg cagcacatgc 180
cccnntcntc agctggcgta ataaggga 209

<210> 2203
<211> 311
<212> DNA
<213> Homo sapiens

<220>

1472

<221> misc feature
<222> (186)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (243)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (258)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (270)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (296)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (307)
<223> n equals a,t,g, or c

<400> 2203
gcagcggcca cagcaattat atggtggact ggtaccaaca gagaccaggg aagggccccc 60
ggtttgtgat gcgagtgggc actagtggag ttgtgggacc caggggggat ggcattccctg 120
atcgcttctc agtccttgcc tcaggcctga gtcgggacct gaccatcacg aacatccagg 180
aaagangatg agagtgacta ctactgtggg acagatcatg gcagtgggaa caacttcctg 240
tcngtttttc cgcggaangg aaccaaactn aaccgtccta ctttcagccc caaggntgcc 300
ccccccngtt c 311

<210> 2204
<211> 377
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (93)
<223> n equals a,t,g, or c

1473

<220>
 <221> misc feature
 <222> (214)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (268)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (292)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (308)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (323)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (351)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (366)
 <223> n equals a,t,g, or c

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 tcttataccc actttgatga ggaaggactg tanagttgat gccaggcaga aacaggcaca 120
 tatgtgtgtc ttctgcctct cccagatcc tgtacttcac caatggccat ctgtatccaa 180
 ctggttctaa atcaaacggg tcagcctgct tcanaacccc cccacagtgg ggggtggcac 240
 actgaaactg actgacgtcc accctcanat actggaacct acctctgcca antcaacaac 300
 ccacccanat ttctacccca atnggttttg ggctaatacca accttactgt ncttgttccc 360
 ccccenttat cccctta 377

<210> 2205
 <211> 465
 <212> DNA
 <213> Homo sapiens

<400> 2205

1474

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accgcccctg cctgcagttg aacgagtaaa gcctagaatc aaaaagaaaa caaaacccat 60
agtcaagcca cagacaagcc cagaatatgg ccaggggatc aatccgatta gccgactggc 120
ccagatccag caggcaaaga aggagaaggt ggccaagcgc aatgcagccg agaacatgct 180
ggagatcctt ggtttcaaag tcccgcaggc gcagccacca aaccgcgact caagtcagag 240
gagaagacac ccataaagaa accaggggat ggaagaaaag taaccttttt tgaacctggc 300
tctgggggatg aaaatgggac tagtaataaa gaggatgagt tcaggatgcc ttatctaagt 360
catcagcagc tgcctgctgg aattcttccc atgggtgccc aggtcgccca ggctgtagga 420
gttagtcaag gacatcacac caaagatttt accagggcag ctccg 465

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<210> 2206

<211> 332

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (16)

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<220>

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<222> (29)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (43)

<223> n equals a,t,g, or c

<220>

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<222> (48)

<223> n equals a,t,g, or c

<220>

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<222> (52)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (103)

<223> n equals a,t,g, or c

<220>

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<222> (104)

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<220>

<221> misc feature

1475

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<220>
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1476

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<220>

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<222> (298)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (300)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (332)

<223> n equals a,t,g, or c

<400> 2206

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ggtacccggt ccggaattcc cgggtcgacc cacgcgccct ttinntngccn ggggtgcagcc 120
ctgntggcag ggggcatttg ggngncaatc gatggggcat cctttctgaa gatcttcggg 180
ccactgncgn ccagtgccat gcagttngtc aacgtgggct actncctcat cgcagccggc 240
gtagtgggtct ttgctcttgg antcctgggc tgntatgggtg ctaagactga gagcaagngn 300
gccctcgtga cgtacttcta cactctctc cn 332
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<210> 2207

<211> 452

<212> DNA

<213> Homo sapiens

<220>

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<222> (158)

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<220>

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<222> (340)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (405)

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<220>

1477

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<220>
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<222> (433)
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<220>
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<222> (437)
<223> n equals a,t,g, or c

<220>
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<222> (452)
<223> n equals a,t,g, or c

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aaatgctggt ctcattgcaag aggctggagc tgtacctntg ctgggtggcc tgttggaaca 180
tctggatcgg ttcaaccatc tggcaccagg aaaggaacgg gatgatcatg aagagtttagc 240
ctgcctggca taatggagtc attttttaca ggtcagaact gtagaaataa tgaggaagtg 300
acacttatac gcaaagctga tttggagaac cataataaan atggangctt ctggactgtg 360
attgacggga aggtgtatga tataaaggga ctttcagaca cagtnggtaa caggaaatan 420
tattctgctt aanttgnaag ggaaagaacc an 452

<210> 2208
<211> 295
<212> DNA
<213> Homo sapiens

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<220>
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<222> (13)
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<220>
<221> misc feature
<222> (14)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1478

<222> (60)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (109)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (222)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (248)
<223> n equals a,t,g, or c

<220>
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<222> (278)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (280)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (283)
<223> n equals a,t,g, or c

<400> 2208
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ataactgcag tggttttcta ggagtgcggc caaagtcggc atgtgcgtna acaaataaag 120
agaaggcaaa aaatgctaag ttaaaacaga agagacgaaa gatcaaaaca gaaccaaagc 180
atatgcatga agattactgt tttcaatgtg gagatgggtg anagctgggtc atgtgtgaca 240
aaaaagantg tccaaagtat accaccttcc tattgccttn aanctgactt aagcc 295

<210> 2209
<211> 400
<212> DNA
<213> Homo sapiens

<220>
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<222> (69)
<223> n equals a,t,g, or c

<220>

1479

<221> misc feature
 <222> (332)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (345)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (381)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (396)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (399)
 <223> n equals a,t,g, or c

<400> 2209
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 atgcagcana agcagaaaaa ggcaaacgag aagaaggagg aaccaagta gctttgtggc 120
 ttcgtgtcca accctcttgc ccttcgcctg tgtgcctgga gccagtccca ccacgctcgc 180
 gtttcctcct gtagtgctca caggtcccag caccgatggc attccctttg ccttgagtct 240
 gcagcggggtc ccttttgtgc ttccttcccc tcaggtagcc tctctcccc tggggccactc 300
 ccgggggtga ggggggtacc cctttccagt gntttttatt cctgnggggc ttaccccaaa 360
 agtattaaaa agtagctttg naattcaaaa aaaatntant 400

<210> 2210
 <211> 381
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc feature
 <222> (4)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (164)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (265)

1480

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (304)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (341)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (350)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (368)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (377)

<223> n equals a,t,g, or c

<400> 2210

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gtgnaacgtc cgacagaacg agggggacgta acggaggcag gttggagccg ctgccgtcgc 60
catgaccgcg ggtaaccagc gtgagctcac ccgccagaag aatatgaaaa agcagagcga 120
ctcgggttaa ggaaagcgcc gagatgacgg gctttctgct gctncccgca agcagaggga 180
ctcggagatc atgcagcaga agcagaaaaa ggcaaacgag aagaaggagg aaccaagta 240
gctttgtggc ttcgtgtcaa ccctnttgcc cttcgctgt gtgcctggaa ccaagtccca 300
ccangctcgc gtttctcct ttagtgctc acagggccag naccgatggn attccctttg 360
cccttgantc tgcaacnggg g                                     381

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<210> 2211

<211> 457

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

1481

<220>
<221> misc feature
<222> (9)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (20)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (58)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (447)
<223> n equals a,t,g, or c

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ctaattcagc gtcttttgat gaaagatccc aagaagagat tgggatgtgg tccacgtgat 120
gcagatgaaa tcaaagaaca tctcttcttt cagaaaataa attgggatga tttagccgcc 180
aaaaaagtgc ctgcaccatt taagccagtc attcgagatg aattagatgt gagtaacttt 240
gcagaagagt tcacagaaat ggatcccact tattctcccg cagccctgcc ccagagttct 300
gaggaagctg tttcagggct attctttggt gctccttcca tcctattcaa acgtaatgca 360
gctgtcatag accctcttca gtttcacatg ggagttgaac gtctggagtg acaaattgtg 420
ccaggagtgc aatgatgaag gactctncat tctatca 457

<210> 2212
<211> 384
<212> DNA
<213> Homo sapiens

<400> 2212
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gaaggaacaa gaggagaaag cagagataaa acgcttaaaa aataacaacg cttcttcggt 120
gaagtctttt tgtacttcca aatgtcgcag tctgatgacc gggattccaa gcgggattcc 180
cttgaggagg gggagctgag agatcaccgc atggagatca caataaggaa ctccccgtat 240
agaagagaag actctatgga agacatctcc ccacaactgc cactgctcac caggacaagc 300
tgcccttctt gtctccacct ctccagtcctc ctagaatgga tggctggggg agaggtggag 360
gctgacagct gagacgtagt gtca 384

<210> 2213
<211> 460
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature

1482

<222> (136)

<223> n equals a,t,g, or c

<400> 2213

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gaactgtctt cagtagttag ttcaagtgga acagaggggtg cttccagttt ggagaaaaag 60
gaggttccag gagtagattt tagcataact caattcgtaa ggaatcttgg acttgagcac 120
ctaattggata tatttnagag agaacagatc actttggatg tattagttga gatggggcac 180
aaggagctga aggagattgg aatcaatgct tatggacata ggcacaaact aattaaagga 240
gtcgagagac ttatctccgg acaacaaggt cttaacccat atttaacttt gaacacctct 300
ggtagtgga caattcttat agatctgtct cctgatgata aagagtttca gtctgtggag 360
gaagagatgc aaagtacagt tcgagagcac agagatggag gtcatgcagg tggaatcttc 420
aacagataca atattctcaa gattcagaag gtttgtaaca 460
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<210> 2214

<211> 388

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (21)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (336)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (340)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (348)

<223> n equals a,t,g, or c

<220>

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<222> (358)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (362)

1483

<223> n equals a,t,g, or c

<400> 2214

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gtctggatac accctcacca gttattggat caactgggtg cgccagatgc ccgggaaagg 120
cctggagtgg atgggcaggc ttgatccttc tgactctttt atcaattaca atccgtcctt 180
cgaaggccac atctccatct cagctgacaa gttcatcagc accgcctatt taaagtggaa 240
caccttggag gcctcggaca ccgccatgta ttactgtgcc ctttccgggc gacaacaact 300
cgtccccgtc tactggggcc agggaaacca ggtcanccgn cttcttanca atccccganca 360
gncccaaagg ctttccgctg aacctttg                                     388
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<210> 2215

<211> 384

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (1)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (11)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (73)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (76)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (151)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (155)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (189)

<223> n equals a,t,g, or c

1484

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<222> (197)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (232)
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<220>
<221> misc feature
<222> (235)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (260)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (262)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (268)
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<220>
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<222> (272)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (273)
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<220>
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<222> (289)
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<220>
<221> misc feature
<222> (295)
<223> n equals a,t,g, or c

<220>

1485

<221> misc feature
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<223> n equals a,t,g, or c

<220>
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<222> (302)
<223> n equals a,t,g, or c

<220>
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<220>
<221> misc feature
<222> (304)
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<220>
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<220>
<221> misc feature
<222> (314)
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<220>
<221> misc feature
<222> (316)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (333)
<223> n equals a,t,g, or c

<220>
<221> misc feature

1486

<222> (335)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (379)

<223> n equals a,t,g, or c

<400> 2215

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naattcggca nagccaaaat gtaccgggggt gtgctggatg ccacgcagag gcagcttaca 60
gtcaccgtga ctnagnaagt tctcagttag gttcaaggag aacagtgtgg ctgtcaaggt 120
cgtccagggc cctgcaggtg gtgacaacag naagntacgt tacaaaaaaaa aggggagtca 180
ttgcttgngn gtgactntgc agttaggagg gggcaccatg cagagatggc anttnccttc 240
tcctgaacca gcactaatch cnccttgnc tnnctttttt ggggggttnt ttaancncnt 300
tnnntngggg gggnganggt tnggggttta aantncctt ttgggggggaa aaaaaaaaaa 360
aaaatttttg ggggggggnc cccg                                     384
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<210> 2216

<211> 289

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (181)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (211)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (220)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (240)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (260)

<223> n equals a,t,g, or c

1487

<220>
<221> misc feature
<222> (267)
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<400> 2216
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ttcaaacctt ccaaccaacc ctataagccg tctcatcagt ctctaataga ctcattttca 120
gctattagat atggatgata tatgatgatt ncattatcat atttttcaag gacttactta 180
ntggctgatt atcagtggta aatcctccaa ngagaaaatn gatgatctga agaaactggn 240
gttagtgagt gccaagattn gaccaantgg gcatatgcct tgtggaatt 289

<210> 2217
<211> 408
<212> DNA
<213> Homo sapiens

<400> 2217
ctgggagcgc ctgccttctc ttgccttgaa agcctcctct ttggacctag ccaccgctgc 60
cctcacggta atgttggact cggtgacaca cagcaccttc ctgcctaata catccttctg 120
cgatccccctg atgtcgtgga ctgatctggt cagcaatgaa gactactacc ctgcctttga 180
gcatcagaca gcctgtgact catactggac atcagtccac cctgaatact ggactaagcg 240
ccatgtgtgg gagtggctcc agttctgctg cgaccagtac aagttggaca ccaattgcat 300
ctccttctgc aacttcaaca tcagtggcct gcagctgtgc agcatgacac aggaggagtt 360
cgtcgaggca gctggcctct gcggcgagta cctgtacttt caattcct 408

<210> 2218
<211> 614
<212> DNA
<213> Homo sapiens

<220>
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<220>
<221> misc feature
<222> (322)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (427)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (553)
<223> n equals a,t,g, or c

1488

<400> 2218

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ctagtggatc ccccgggctg caggaattcg gcacgaggaa aattgaacaa gatggacggg 120
tccaggaaag aggaggagga agacagcaca ttcaccaaca tttctcttgc agatgacata 180
gaccattcct caagaatttt gtatccaagg cccaaaagtt tgttacccaa gatgatgaat 240
gctgacatgg atgatctctc tgcaagagta gatgcagtta aggaagaaaa tctgaagcta 300
aaatcagaaa accaagttct tngacaatat atagaaaatc tcatgtcagc ttctagtgtt 360
tttcaaacaa ctgacacaaa aagcaaaaaga aagtaaggga ttgacaccct tctgttttat 420
ggaattnctg ctgatcattt tttctttaaa acttggatag attccaaaag ttacagtacc 480
tttgtggctt cattgaatat ttatgaagat aatgtcagat gtagacaaaa ataacacaat 540
aacaggagac ttncataagt ttgtgtatta tgtagtcta tgaaaacgtg caaatgtatt 600
gtagagactt tatg                                     614

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<210> 2219

<211> 651

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (442)

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<220>

<221> misc feature

<222> (470)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (472)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (475)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (485)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (562)

<223> n equals a,t,g, or c

<220>

<221> misc feature

1489

<222> (608)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (620)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (628)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (629)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (651)

<223> n equals a,t,g, or c

<400> 2219

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agttattttta ttgatcaact gaataaatat acataaatgt tactttcttt ttctttactt 120
tattttttttt tccccattcc agatcctggg tgtttggtcg acctacagat acaggaacca 180
gaaagaccccc cgcgcggaatc ctagtgcatt cctttgatga gaaaacaagg aagatttcct 240
ttcgtatttat gatcttggtc actttctgta attttctggt aagctccatt tgccagttaa 300
aggaaggaaaa cactatctgg aaaagtacct tattgatagt ggaattatat atttttactc 360
tatgtttctc tacatgtttt tttctttccg ttgctgaaaa atatttgaaa cttgtgggtc 420
ctgaagctcg gtggcacctg gnaattaatg ggattcaatg gccggcactn gncnttggg 480
ccttnttaag catttttacc tggcaaaaaa actttgggtg ggaccctcg gggtgggtta 540
atatggggaa atctgaacgt anaattttaa ctgggaataa ataatatgaa ccctgggctg 600
gggaaaaangg tcctactggn aaaaaganng ggaaattatt aaatcagaa n 651
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<210> 2220

<211> 569

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (27)

<223> n equals a,t,g, or c

1490

<220>
<221> misc feature
<222> (30)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (46)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (49)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<220>
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1491

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1492

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<220>
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 gacgcaccgg aaattccgca aggtggcagt ccagccnct gctcangatt ccggcctaac 180
 ccggagctga cggaggcnct gaccaccagc ttctgtgcgga ggctgtttctg gggtagccng 240
 ggcgcgngaa ctccgctcgc tgaanctttg agaactncca gcgcatectc nagegatact 300
 gtctcagcgc ctgngagcct gaccgctgaa nagnncngac aacctttctt gtaccncggg 360
 acccccaggt ttttgcaaat ccngaataa ancnnngggag tcgtcacngg ctctctcgcc 420
 ctcaaggtgg aaatcntggc ctgtgcctcc caaaacaaag tggggaaccc agtctcggtc 480
 acctgggaac atggtgaaca tgtgaatgca anactctgggn atcggaagnc ngaattncaa 540
 atgtgactcc acctcttgtg aagccgtga 569

<210> 2221
 <211> 414
 <212> DNA
 <213> Homo sapiens

<220>

1493

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<220>
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 <222> (398)
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<220>
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<400> 2221
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 tgacaggcag gcgcccactg tcccaggcca caggggctgt ggtctccagg cctgtgactt 120
 ggcaggggcc tctgcgacgc agcttttagcg aggacaccct gatggatggc ccagctcgga 180
 tagagcctat cagggcaagg aagtggagca acagtcagcc tgcagatttg gcacatatgg 240
 ggcagtcaag agaagacccc gctgggatgg aagcctccac catgcccata tctgccttgc 300
 cccgaacgag cagttgaccc cgggtgttgc gaaggccct gctccctggg aacttgttgc 360
 cgacaagtct cagggcctnc gatgggcaac ttaagccnan gcaccancga ancc 414

<210> 2222
 <211> 571
 <212> DNA
 <213> Homo sapiens

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<220>
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1494

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<220>

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<220>

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<400> 2222

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cccacctcgg ctggtcccgt ttctctctgc gccagtgcg gacctgtctc ggcgcccgt 120
gccctctcac cgccccacgc aggatcccgg cctggtcacc gggcagtgng atgcttcccg 180
actgccgcgg ggacagcgag gcacacacag ggcttggggc gcgcccggagg ccacacggcc 240
tggctgagtt gtccttggtc tccgcctctc cccaggcgac ccggaggtag catttcccag 300
gaggcacggt cccccccagg gggatgggca cagccacgcc agatggacga gaagaccaan 360
aaagcanagg aaatggccct gagcctcacc cgagcagtgg cgggcccggga tgaacagggtg 420
gcaatgaagt gtgccatctg gctggcagag caacgggtgc ccctgagtgt gcaactgaag 480
cctgagggtct ccccaacgca ggacatcaga ttctctcatgg ngcaaaatgg ccattccagc 540
tncatccagc catnacantn acagggagga a 571
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<211> 262

<212> DNA

<213> Homo sapiens

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<220>

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1495

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<220>
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<220>
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<223> n equals a,t,g, or c

<220>
<221> misc feature
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ctgcagggtac cggtcaggaa ttcccgggtc gaccacgcg tncggccant aagcaagctg 120

1496

gacaaaagaa gaaacaagga catgacchnaa aggctgctgn caaagctgcc ttaatatata 180
cctgcactgt ctgtaggaca canatgncag accctaanaac cttnaagcag cactttgaga 240
gcaagcatcc taagactcca nt 262

<210> 2224

<211> 319

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (305)

<223> n equals a,t,g, or c

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gtaaaaggcc tactgtacct catgatgaag actcttcaga tgatattgct gtaggttttaa 120
cttgccaaca tgtaagtcac gctatcagcg tgaatcatgt aaagagagca atagctgaga 180
atctgtggtc agtttgctca gaatgtttta aagaaagagg attctatgat gggcagctag 240
tacttacttc tgatatttgg ttgtgcctca agtgtggctt ccagggatgt ggtaaaaact 300
caganagcca acattcatt 319

<210> 2225

<211> 462

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (333)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (412)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (426)

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<220>

<221> misc feature

<222> (428)

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<220>

<221> misc feature

<222> (429)

<223> n equals a,t,g, or c

1497

<220>
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 agcttttcat cctactataa aggaggattt gaacagaaaa tgagtaggcg agaagctggt 120
 cttatttttag gtgtaagccc atctgctggc aaggctaaga ttagaacagc tcataggaga 180
 gtcattgattt tgaatcacc agataaagggt ggatctcctt acgtagcagc caaaataaat 240
 gaagcaaaag acttgctaga aacaaccacc aaacattgat gcttaaggac cacactgaag 300
 gaaaaaaaa gaggggactt cgaaaaaaaa aanaaaagggt cggccgctct agaggatcca 360
 agcttacgta cgcgtgcatg cgacgtcata gctcttctat agcggcacct anattaattc 420
 actgcnncnc gttttacaac gtccgactgg aaaaaccct ng 462

<210> 2226
 <211> 493
 <212> DNA
 <213> Homo sapiens

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<220>
 <221> misc feature
 <222> (7)
 <223> n equals a,t,g, or c

<220>
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 <222> (18)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (33)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (457)
 <223> n equals a,t,g, or c

<400> 2226
 taanggnaca aagctggngc tccaccgcgg tgnccggccgc tctagaacta gtggatcccc 60
 cgggctgcag gaattcggca cgaggaggag agcatgaatg agagtcattc tcgcaagtgt 120
 gcagagtctt ttgagatgtg ggatgatcgt gactcccact gtaggcgccc taagtttgaa 180
 gggcatcccc ctgagtcttg gaagtggatc cttgcaccgg tcattcttta tatctgtgaa 240

1498

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aggatcctcc ggttttaccg ctcccagcag aagggtgtga ttaccaaggt tgttatgcac 300
ccatccaaag ttttgggaatt gcagatgaac aagcgtggct tcagcatgga agtggggcag 360
tatatctttg ttaattgccc ctcaatctct ctcttgggaa tggcatcctt ttactttgac 420
ctctgctcca gaggaagatt tcttcttcat tcatatncga gcagcagggg acttgacaga 480
aaatctataa ggg
493

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<210> 2227

<211> 520

<212> DNA

<213> Homo sapiens

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<221> misc feature

<222> (7)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (17)

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<220>

<221> misc feature

<222> (22)

<223> n equals a,t,g, or c

<400> 2227

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ggctctggta tcagttcttc ttcagtattg catggcatgg tttttaagaa ggaaaccgaa 120
gtgatgtaac atctgtcaaa gatgcaaaaa tagcagtgtg ctcttgctct tttgatggca 180
tgataacaga aactaaggga acagtgttga taaagactgc tgaagaattg atgaatttta 240
gtaagggaga agaaaacctc atggatgcac aagtcaaagc tattgctgat actggtgcaa 300
atgtcgtagt aacagggtggc aaagtggcag acatggctct tcattatgca aataaatata 360
atatcatgtt agtgaggcta aactcaaaat gggatctccg aagactttgt aaaactgttg 420
gtgctacagc tcttcttaga ttgacacctc ctgtccttga agaaatggga cactgtgaca 480
gtgtttactc tccagaagtt tggagatact cagggtggttg
520

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<210> 2228

<211> 538

<212> DNA

<213> Homo sapiens

1499

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<222> (16)
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<220>
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<222> (17)
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<220>
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<222> (18)
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<220>
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<222> (91)
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<220>
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1500

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<220>

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<222> (538)

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<400> 2228

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tggcccjaaag gggtttaacc cccggggggtt nccccggggg aaaaattttt cccccggggg 120
gggttnccgn aacccccaaa cggnccegtt tccccggggc cggggggggn aaccggaaac 180
cgnttttgga aaaaagcccc caattggggg cccccgggct ttaccggttt cccaaaggga 240
aactttttcc ccaacccccca aaagaacttg gttttggggg ttcttgaacc cgggcttncc 300
aaccaaaaca agggtttgcc ccaangctta gtcacaagtt acccgcggtg tacttacaat 360
tgccggggcc caaggatgaa gaccangact acatctggac cactcattgc atctacctgt 420
aacctgacgg ctttacggat actacggcga caatcgctac agattaacat gtcgngnaca 480
tgcggttcna tgctgcttac cactgatctg cccatattaa cggctgggta aaaaaann 538

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1501

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<211> 554
<212> DNA
<213> Homo sapiens

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<220>
<221> misc feature
<222> (549)
<223> n equals a,t,g, or c

<400> 2229
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cccccccgctc ctaccggagt tctgaggtgc ggtcaggcgc ggagagcggg cggccagcgc 120
cagattctgt gggctccgga gttcaggccc actgagccgc agctgagcac aggcggggca 180
ggaaaaagga tgaggtgagg gaaggcgctg ggttcctgga accccaaggg agcactgagc 240
tgagtaagtt ngttcctgtc aattgggaac cccctcaacc acttccattc cccaaatacc 300
tgcgctgcta cggatgcctc ttggagacca aggagttagg gtgccttctg ggatctgaca 360
tctgcctcac cccagctggc agcagctgca tcaactctcca caaaaagaac agcagcgggt 420
ctgacgtcat ggtgagtgac tgccgaagta aggagcagat gagtgattgt tcaaataccc 480
gaacttctcc ggtgtctggc ttctggatat tctctcaata ctgcttctg gatttctgca 540
atgaccctna aaac 554

<210> 2230
<211> 266
<212> DNA
<213> Homo sapiens

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<220>
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<222> (185)
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<220>
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<222> (216)
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<220>
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1502

<220>

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<400> 2230

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agttttatat tccggaggta gaaggcgtag aacagggttat ggatgatgaa tcagatgaaa 120
aagaagcaaa ctcaccttaa aataatctgg attttctttg ggcataacan acagacttgt 180
tgatnatata tatcaagttt ttattattaa tatgcntgag gaacttgaag atnaataaaa 240
tatgctcttc atanaatgat atttct                                     266
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<210> 2231

<211> 295

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (189)

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<220>

<221> misc feature

<222> (235)

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<220>

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<222> (243)

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<222> (245)

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<220>

<221> misc feature

<222> (277)

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<220>

<221> misc feature

<222> (295)

1503

<223> n equals a,t,g, or c

<400> 2231

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tctatgtgct agccattgcc gcgcttggtg gcctctgcct catcctggcc tcctccctcc 120
tctatgtggc ctgtctgcgg gaaggcagac gagggcgccg acggaaatac tcaactgggtc 180
gggccaacnc gggcaggagg atctgcggtg caactgcatg acagtcttaa gccantgtcc 240
tgnanaggaa gatgagggtg atgatgaagg gggcttnggg gccttgaagg gcaan      295
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<210> 2232

<211> 484

<212> DNA

<213> Homo sapiens

<220>

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<222> (14)

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<220>

<221> misc feature

<222> (396)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (457)

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<220>

<221> misc feature

<222> (464)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (473)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (483)

<223> n equals a,t,g, or c

<400> 2232

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gtcgggtgtg agntttttca gcaaccgggt ccagtactgg gagatacagc catccacctt 60
cagatgtgtc tacgtgcgct ctgccattca actcggaac tataagtaat tctcaagaaa 120
gccctcattt ttataacctg gcaaaatctt gttaatgtca ttgctaaaaa ataaataaaa 180
gctagatact ggaaacctaa ctgcaatgtg gatgttttac ccacatgact tattatgcat 240
aaagccaaat ttccagttta agtaattgcc tacaataaaa agaaattttg cctgccattt 300
tcgaatcat cttttgaagc tttctgttga tgttaactga gctactagag atattcttat 360
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1504

ttcactaaat gtaaaatttg gagtaaata atatgncaat atttagtaaa gcttttcttt 420
tttaatttcc aggaaaaaaa taaaagagta ttgaagnctt ctgnaattca ttnagcaagt 480
agnt 484

<210> 2233

<211> 508

<212> DNA

<213> Homo sapiens

<220>

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<222> (36)

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<222> (57)

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<222> (214)

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<222> (230)

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<220>

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<222> (233)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (297)

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<220>

<221> misc feature

1505

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<220>
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<222> (327)
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<222> (377)
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1506

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<220>

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1507

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1508

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<220>

1509

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<400> 2233

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acctatgagt tacatggaga tttcattgtt ccagccaaaa gcggcagccc agaatctngt 120
gttaatgcga tccattttctt ggtacacaaa ctgccagaga agaataaaga gatgttggat 180
atthttggtga aacacttaac aaatgtttna aatnactcca agcagaaccn gangactgtg 240
gcaaacttag gagtgggtgtt tggaccaact ctgatgagggc cacaggaaga aactgtngct 300
gccctnatgg actttgaagt ttcagantat tggtgtggga aatcttaatt ggaaaaccag 360
gaaaagggttt tttngngcgn nncngnnat taaattnnnn gngnccanct ncttntaaa 420
gnatnanccc gnaantgggg ncagcaaggn nanttgngng ngtnaagggc cagngnncca 480
gggggncnccn ggncgnttnn aaatnttt 508
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<210> 2234

<211> 467

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (387)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (433)

<223> n equals a,t,g, or c

<400> 2234

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cagctggttt gagcaactga actggaaaca agatgcagga cccaacgca gacactgaat 120
ggaatgacat cttacgcaaa aagggtatct tccccccaa ggaaagtctg aaagaattgg 180
aagaggaggc agaagaggag cagcgcatcc tccagcagtc agtggtgaaa acatatgaag 240
atatgacttt ggaagagctg gaggatcatg aagacgagtt taatgaggag gatgaacgtg 300
ctattgaaat gtacagacgg cggagactgg ctgagtggaa agcaactaaa ctgaagaata 360
aattcggaga agttttggag atctcangga aggattatgt tcaagaagtt accaaagctg 420
gcgaggggctt gtnggtcatc ttgcaccttt acaaccaagg aattccc 467
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<210> 2235

<211> 476

<212> DNA

<213> Homo sapiens

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<220>

1510

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<220>
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<222> (426)
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<220>
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<222> (429)
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<222> (434)
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<222> (442)
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<220>
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ttcaataactt ttccattatt tttcctcttt tttatagagc taatgtcaaa ccccgaaatt 120
ccacaccacc tagtttggca agaaatcctg ccccggtgt gcttacaac aaaagaaaaa 180
catatactga gagctacata gccaggccag atggggactg tgcattcttc cttaatggtg 240
gaaatattaa aggcatgtga ggacattcac ctggaaactt accaaaattc tgccatgagt 300
gtgggactaa atacctgtga gaatnggcc aattttgctn tgaatgtggc attcgaagaa 360
tgattctatg aatagaatct caaaaaaaaa aaaaaaaaaac caagttcaa agtttatgat 420
tattgntgnt tggncagct anaacacatc cttaattaan tttgggctaa aaatct 476

<210> 2236
<211> 527
<212> DNA
<213> Homo sapiens

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<220>
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1511

<222> (413)
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<220>
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<400> 2236
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gcggctaagt cccggcagcg ggaacaccga gagcgaacca gcctggcttt cgaaaacatc 120
tgggcctggt ggagaaaaag aaagattaca aacttcgtgc agatgactac cgaaaaaac 180
aggaatacct cagagctctc cggaagaagg ctcttgaaaa aaatccagat gaattctact 240
acaaaatgac tcgggttaaa ctccaggatg gattccacgt tattgaagga gactgaaggg 300
aggaagtgaa ctgccagaac aactggaaac tgatgagaac ccagggtgtc caaatatgat 360
gagaaatgga aaagggtttg ccgggaactg aaggaaaatt ggaaaganga aantccgagn 420

1512

tcccnctgg ctgggatttt cccgggggaa gccngccgga tgaagccatg tggtnnttt 480
tttgaccac ccaaaaaggg aagttggagc cnnttggatg ttggcca 527

<210> 2237

<211> 342

<212> DNA

<213> Homo sapiens

<220>

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<220>

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<222> (308)

1513

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<222> (317)

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<400> 2237

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ggagtggcca ctgacggaag ttgcataang tgtttttgaa ancgangccc cgggangata 120
taagttctat ttgcaaaatc gcagtctgcc tcagtcanat cctgtattaa aagttactct 180
ngcagtgtct gatcttcaaa aatccttgaa ctactggtgt tatctactgg gaatgaaaat 240
ttatgaaaaa tattataaaa gctatcgggc ttgcttgggc tttctgaaaa acccttggtta 300
anctggancn acaggcntca aggggtggggt gaaacatncc cc 342

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<210> 2238

<211> 429

<212> DNA

<213> Homo sapiens

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<220>

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<222> (33)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (34)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (39)

<223> n equals a,t,g, or c

<220>

1514

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<220>
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<220>
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<220>
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 <222> (416)
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<220>
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<400> 2238
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 ccctgcaggt accggtccgg aattcccggg tcgaccacg cgtecggtga gctgaatgag 120
 ttgctcctgg acaaaaacca ggagccccag tggcgggaga cagctcgctg gatcaaattt 180
 gaagaagacg tggatgaaga tgcccatgat tcagaggcca aagtggcgag cctgagagga 240
 atggagttac aggggtgctc cagcactcag gttgaatcan aaaataacca anaagaacag 300
 aacaggtgc gcttaccaga aagccgtctg acaccatggg aggtgngggt tattggcnta 360
 gaaaaagaag aacgtgaccg gctgcatctg aaagctntag aggaattaaa tcaacnctag 420
 aanaaagaa 429

<210> 2239
 <211> 205

1515

<212> DNA
<213> Homo sapiens

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<220>
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<222> (65)
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<220>
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<222> (130)
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<220>
<221> misc feature
<222> (157)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (173)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (175)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (196)
<223> n equals a,t,g, or c

<400> 2239
gccccacgcgt cgcgccacgc gttcgggaaa atgagtagcca ggcgtncagc gttcccccca 60
cccgctgct aataaaggag cttccaagc gtgtggggca ttttcgtgga ctacagaatt 120
ggaaagcatn ttcttttaca atgtgaaaag caagatncca catttataca ttngncagat 180
ggtttttttt ttgggnccct ttaaa 205

<210> 2240
<211> 265
<212> DNA
<213> Homo sapiens

<220>
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1516

<222> (249)

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<220>

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<222> (255)

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<220>

<221> misc feature

<222> (257)

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<220>

<221> misc feature

<222> (258)

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<220>

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<222> (259)

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<400> 2240

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tgccctcgta tctaattagt gacgcgcatg aatggatgaa cgagattccc actgtcccta 120
cctactatcc agcgaaacca cagccaaggg aacgggcttg gcggaatcag cggggaaaga 180
agaccctggt gagcttgact ctagtctggc acggtgaaga gacatgagaa ggtgtaaata 240
aagtgggang ccccnncnnnc ccccc                                     265

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<210> 2241

<211> 483

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

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<400> 2241

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ctagtggatc ccccgggctg caggaattcg gcagagcaaa accaatggta ggaaatgttt 120
ttaggggaatt gggctaattg atagcaatgc agtgatagga tcttaaaata acagtgacaa 180
ggtcgtagtg tttaactgtc agataaatgg caagggtcaaa gtggcagtcg ggaggagtta 240
cttgaggaga tcagtggagt tggttaatag aaaataatat tcttaagggc aagatagatg 300
ggcagctaac aaggctatat cttgaacaat ataatggaaa gaaattatta aaaaacgggt 360
gattaagagg caaagtgcaa ctacacaaat taaaaaagcg ttatcccttg actagtttct 420
gatcctgagc cagtgcctag gcctagaacc cattgatcaa aaaaagaggt tgaatgtaca 480
gga                                             483

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1517

<210> 2242
 <211> 552
 <212> DNA
 <213> Homo sapiens

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<220>
 <221> misc feature
 <222> (6)
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<220>
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 <222> (9)
 <223> n equals a,t,g, or c

<220>
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 <222> (238)
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 tctagaacta gtggatcccc cgggctgcag gaattcggca cgagggtata caggaaatgg 120
 ataatactgt aacaatctgc agctgtctca tatgttatat aaagaatgaa ctcataacag 180
 tgagaaaagg gtatgtagtg cctttatgaa tactaaaaaa ataggtcaaa ttcttggnat 240
 atgtatgact tggttttatt ataattatga aaccctttaa cctattattc ttttaaatac 300
 aagcagaaat acaagacatt gccattacca gttagcttta atagactcaa gaaacaaaat 360
 agtctcttaa gttttatgta agtgataaaa taaactaaga gttcctcata gatataatac 420
 ttgaaaaatg gtttctagtt agtgacggtg gaataaaaatc attttcttac tctcttctct 480
 tgaatgccaa tgaaaagaaa atcaaacaaa agatagaaaa tgtcaatttc aaagacacaa 540
 acaatcaaac aa 552

<210> 2243
 <211> 530
 <212> DNA
 <213> Homo sapiens

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<220>
 <221> misc feature
 <222> (4)
 <223> n equals a,t,g, or c

1518

<220>
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 <222> (7)
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<220>
 <221> misc feature
 <222> (12)
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<220>
 <221> misc feature
 <222> (57)
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<400> 2243
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 cgctctagaa ctagtggatc ccccggtg caggaattcg gcacgttcgg cagagcaaa 120
 agatacaaac ttagtatttc caggcattga acagcaggct ttccaggact gtcacacctg 180
 agaaaaatgga gatacatgag gtgagcccca cgtttctccc acctttctgc tcagctttct 240
 gcgacagagc acgttcccgt tgcagcaca gtggagctgc agtatcagaa cctaaggagg 300
 cagagagtgg aattctgggt tgctggcatg actggaatat ttgctagaga ggaggaactg 360
 ctccaagaag ttctagaagt ctctggacat tcaaactagg tcctgagaac tgtatatattt 420
 aaatgcttgc attggaactg ttttaaacca atgatctcaa gtctttgtct taagttagaa 480
 aaagaagggc aaattaaacg ccaagttaat agaaggaata aaatagcaca 530

<210> 2244
 <211> 200
 <212> DNA
 <213> Homo sapiens

<220>
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<220>
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<220>
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1519

<220>
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<222> (13)
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<220>
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<222> (140)
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<220>
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<222> (155)
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<222> (170)
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<220>
<221> misc feature
<222> (195)
<223> n equals a,t,g, or c

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cgcggtggcg gccgctctag aactagtggg tccccggggc tgcaggaatt cggcacgagc 120
gctnagccgt ccttctctcg catgtcccag agcangcacc gcgccgaggn cccgccgctg 180
gaacgcgagg acagnngggac 200

<210> 2245
<211> 127
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (79)
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<220>
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<222> (99)
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1520

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<222> (105)
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<220>
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<222> (116)
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<220>
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<222> (119)
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<400> 2245
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tggccgtcgt ttacaacnt cgtgactggg aaaaccana caccnctcct tctttntang 120
gccccct 127

<210> 2246
<211> 229
<212> DNA
<213> Homo sapiens

<220>
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<222> (10)
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<220>
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<222> (13)
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<220>
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<222> (29)
<223> n equals a,t,g, or c

<220>
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<220>
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<222> (46)
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1521

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<222> (191)
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<220>
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<222> (218)
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<220>
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<223> n equals a,t,g, or c

<220>
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<222> (223)
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<220>
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<222> (226)
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<400> 2246
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ggctgctcta gaactagtgg atcccccggt ctgcaggaat tcggcacgag cggcacgagc 120
ggcacgaggg gggggccggt acccaattcg ccctatagtg agtcgtatta caattcactg 180
gccgtcgttt nacaacgtcg tgactgggaa aaccaanga ntnganatt 229

<210> 2247
<211> 111
<212> DNA
<213> Homo sapiens

<220>
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<222> (41)
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<220>
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<222> (102)
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1522

<220>

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<222> (104)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (107)

<223> n equals a,t,g, or c

<400> 2247

gctcgtgccg aagggggggcc cggtagccaa ttccgcctat ngtagagtcgt attacaattc 60
actggccgctc gttttacaac gtcgtgactg ggaaaaaccc annncctct c 111

<210> 2248

<211> 99

<212> DNA

<213> Homo sapiens

<220>

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<210> 2249

<211> 165

<212> DNA

1523

<213> Homo sapiens

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<222> (162)

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<222> (164)

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<400> 2249

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actagtgggg gcccggtacc caattcgccc tatagtgagt cgtattacaa ttcactggcc 120
gtcgtttttac aacgtcgtga ctgggaaaac ccaantcnnt tntnc 165
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<210> 2250

<211> 573

<212> DNA

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1525

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<220>

1526

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<220>
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1527

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ggtggnggtc gttctncaac tagtggatcc cccgggctgc aggaattcgg tacgagccag 120
agaccanccc atgaagagtg gtgggtggtt tattcaactgg aaatgttgcg ttnttgctnn 180
ccnaaaacnc acgtnnactt cngaggaatg atgggcaaat ctggtctncn tggntgaaac 240
ccttnttttc cntagatgc tttaaccttn gttgggtttcg gctntagggt tcatagtcnc 300
ttctgttccc ttctccattc tgganaagga cttcccctac atacaccctg attncttgn 360
gctgtgggga ttggacgtaa cattcaaaga tcntatgtgc tttcctcaact tcggatataa 420
acactctggg ttttacagca atnanctgcc taaccttcat ngnganaaat aaaacatctc 480
tcttctactc ctgctgtttc atgcgccact cctttgggggt ctttntcaat ttgttgaact 540
cctanctttn ttccctanaa atttccangt acc 573
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<210> 2251

<211> 112

<212> DNA

<213> Homo sapiens

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<220>

<221> misc feature

<222> (91)

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<220>

<221> misc feature

<222> (106)

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<220>

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<220>

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<222> (112)

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1528

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 acaattcact ggccgctcgtt ttacaacgtc ntgactggga aaccnnaaaa nn 112

<210> 2252
 <211> 247
 <212> DNA
 <213> Homo sapiens

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<220>
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<220>
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 aaagctggag ctccaccgag gtggcgcccg ctctagaact agtggatccc ccgggctgca 120
 ggaattcggc acgagcggca cgagcggcac gagggggggc ccggtacca attcgcccta 180
 tagtgagtcg tattacaatt cactggccgt cgttttacaa cgtcgtgata ccccnnaaaa 240
 aannttn 247

<210> 2253
 <211> 103
 <212> DNA
 <213> Homo sapiens

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<220>

1529

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<220>
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<220>
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tggccgtcgt tttaacaacgt cgtgactggg aaaacnnaaa tnn 103

<210> 2254
<211> 111
<212> DNA
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<220>
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<222> (111)

1530

<223> n equals a,t,g, or c

<400> 2254

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acaattcact ggccgctcgtt ttacaacgctc gtgactggga aaaccaant n 111

<210> 2255

<211> 187

<212> DNA

<213> Homo sapiens

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<220>

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<222> (16)

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<222> (116)

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<220>

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<222> (137)

<223> n equals a,t,g, or c

<220>

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<222> (152)

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1531

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ccccgggct gcaggaatcc ngcacgagcg ganacgaggg ggggcccgt acccanttcg 120
ccctatagtg agtcgtntta caattcactg gncgtcgttt tacaacgtcg tgactgggaa 180
aacccan 187

<210> 2256
<211> 155
<212> DNA
<213> Homo sapiens

<220>
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<223> n equals a,t,g, or c

<220>
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<222> (22)
<223> n equals a,t,g, or c

<220>
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1532

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<220>
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<222> (120)
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<220>
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<222> (154)
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ggcggttcgct ctagaactag tggatccccc gggctgcagg aatccggnac gagcgnaann 120
aggggggggccc cggttcccaa ttcggcctat attna 155

<210> 2257
<211> 125
<212> DNA
<213> Homo sapiens

<220>
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<222> (40)
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<220>
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<222> (102)
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<220>
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<222> (103)
<223> n equals a,t,g, or c

<220>
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<220>
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<220>

1533

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tgggcgcgtcgt ttacaacgt cttgactggg aaaacccaaa tnnntttctn tgttnttten 120
ttncc 125

<210> 2258
<211> 112
<212> DNA
<213> Homo sapiens

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<220>
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<400> 2258
gcgggcacnag cggcaccnagg ggggggcccgcg tacccaattc gccctatant gagtcgtatt 60

1534

acaattcact ggccgctcgtt ttacaacgtc gtgactggga aaaccnaaa nn 112

<210> 2259

<211> 120

<212> DNA

<213> Homo sapiens

<220>

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<400> 2259

ancggcacga ncggcacgag ggggggcccg gtacccaatt cgccctatan tgagtcgtat 60
tacaattcac tggccgctcgt ttacaacgt cgtgactggg aaaaccctaaa nnnttttcn 120

<210> 2260

<211> 197

<212> DNA

<213> Homo sapiens

1535

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<220>
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<400> 2260

1536

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tcccccgggc tgcaggaatt cggcacgagt ggcccnaggg ggggcccggt accctcttcn 120
ncnttttagtg agtcgtatta caattcnctg gccgtcgttt tacaacgtcg tgncctgggaa 180
aacccatggt tgttgac 197

<210> 2261

<211> 242

<212> DNA

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<220>

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<222> (20)

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<222> (232)

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<220>

1537

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<220>
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ggagctccac cgcggtggcg gacgctctag nactagtgga tcccccgggc tgcaggaatt 120
cggcacgagc ggcacgaggg ggggcccggg acccaattcg ccctatagtg agtcgtatta 180
caattcactg gccgtcgttt tacaacgtcg tgactgggaa aaccagcna nnaganangg 240
gc 242

<210> 2262
<211> 145
<212> DNA
<213> Homo sapiens

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<220>
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1538

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<220>
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<222> (143)
<223> n equals a,t,g, or c

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ngtggagnng aagggatatat tcgcttagct ngccaattaa ccctcantaa tgggaacaag 60
acctggagct ccaccgcggt ggcggccgct ctagaactag tggatccccc gggctgcagg 120
aattcggcac gagggtnatn nantc 145

<210> 2263
<211> 373
<212> DNA
<213> Homo sapiens

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<220>
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<222> (19)
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<220>
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<222> (31)
<223> n equals a,t,g, or c

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<222> (40)
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<220>

1539

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<220>
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<220>
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 <222> (340)
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 tcgatatcaa gcttatcgat accgtngacc tcgagggggg gcccgggtacc caattcgccc 120
 tatagtgagt cgtattacaa ttacttgccc gtcgttttac aacgtcgtga ctgggaaaac 180
 cctggcggtta cccaacttaa tcgccttgca gcacaatecc cctttngcca gcttggagta 240
 ataagcgaag aggccgcac cgatcgccct tcccaacagt tgcgcagcct gaatggcgaa 300
 tgggacgcgc cctgtagcgn tgcattaagc gcgnnggtgn gntgggttacc cgcagtgtga 360
 ccgctacact tgc 373

<210> 2264
 <211> 434
 <212> DNA
 <213> Homo sapiens

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1540

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<222> (11)

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<400> 2264

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gccgctctag aactagtggg tcccccgggc tgcaggaatt cggcacgaga tttccaggta 120
gattttctcag ccagctctaa aacagattgc tttttcagtg gccttactct ttgtggggtt 180
tttttttttt ctctgaactt gatataaaga ttttatttgt cccttgaaaa agtaacaaat 240
gtgcatagat caatttgtac tactttgggtc attggatatt tctgatcctt attgcattgt 300
acctaaagga gagtaactaa tggtaaccctt tttaatagag tatgtgaaag gtagtggtcg 360
atgaatcctt aacgttcata ggggtcttttt gctgttacgg ttgtatatag aggtctggaa 420
ggattttttaa aatg                                     434
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<210> 2265

<211> 375

<212> DNA

<213> Homo sapiens

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<222> (24)

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<222> (35)

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<222> (77)

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<220>

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1541

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gacctcgagg gggggcccg tacccaattc gccctatagn gagtcgnatt acaattcact 180
ggccgctcgg ttacaacgnc gagactggga aaaccctggc gntacccaac ttaatcgncn 240
tgnaggacat ccccttttcg ncagntggcg taatagcgaa gagggccgna ccgancgcct 300
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actttcggcc ctgggaccaa agtggatatc aaacgaactg tggctgcacc atctgtcttc 180
atcttcccgc catctgatga gcagttgaaa tctggaactg cctctgttgt gtgcctgctg 240
aataacttct atcccagnga ggccaaagta cagtggaagg tggataacgn cctccaatcg 300
ggtaactncc aggagagtgt cacagagcag gacagcaagg acaganctac agcctcagca 360
gcacctgacg gtgagcaaag cagatncggg gaacacaagt ttaggcttcg agtcancnt 420
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1545

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gcaccatctg ttttcatctt cccgccatct gatgagcant tgaaatctgg aactgcctct 180
gttgtgtgcc tgctgaataa cttctatccc agagaggcca aagtacagtg gaaggtggat 240
aacgccctcc aatcgggtaa ctcccaggag agtgtcacag agcaggacag caaggacagc 300
acctacagcc tcagcagcac cctgacgctg agcaaagcag actacgagaa acacaaagtc 360
tacgcctgcg aagtcaccca tcagggcctg agctcgcccc tcacaaagag cttcaacagg 420
ggagagtgtt agagggagaa gtggccccac ctgctnctca gtttcagcct gaccccttcc 480
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 ctctgcgttt atggaataca actgaagttg ctccagcact aantgtattt atgatacta 180
 aagaactggg aatccctgcc tctgtggatc tantgagcan tgacccgagc catatngtat 240
 catcattcag caagggatat acaaacattt ttaacatgga aacacaacaa cgcatttctca 300
 ctttanaatc caatgtaata caacanccaa ctcttcctgc caaatnaatt nnantcatca 360
 ntctcctact ctccgatca acatcctgct ccttaaaaaa ngcnatccaa ttctatnata 420
 acnattccgg caaatnatcc ctccatggtn ccccccctaa actntttcaa ttttaacctt 480
 ttaaccccag ggccttacct tnanattttg gccncccaaa aatttcnna cnttttttgg 540
 aacccccaaa ttttaaaatt ttttcccaa aaatccccc nccccncaa aaatttttta 600
 aaaaaacanc ccccnatttt ttttttcccc ccccccaaa tttttttttc cccttttttg 660
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1549

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1550

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ggcggggccg ccttgcctgg tcttccgggc gcggcggtgga ctccgtcccc tggctggacc 420
atggtgaaca cccggaagaa ctctnttcgc ttctcgggtn cnagtcttct ggtcccggcc 480
tggcctgggg cccggaacan aacctggggc gaccgangca canncattta tctcttttga 540
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ctgacttccg gggccactgg gtgctgatat tctttggctt cactcactgc cctgacatct 180
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tcctccagtn cacctgtctt catcactgtt gacccaacn ggatnacttt aacctgncc 300
nctacttcaa ganttcacc ccnanatgtt nggtctnacc ggctcccaa anatgttgcc 360
cnngctaata ccattnccgc tttnttcaa ttcnnggcc negatnaagg aacatgaata 420
ctcttgaaca tcctttgctc tactctcacc cttanggtc tccccgatta tacgnccgaa 480
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<221> misc feature

<222> (663)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (669)

<223> n equals a,t,g, or c

<400> 2272

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cgtggggctg gagctccacc gcggtggggg gccgctctat aactaatgga tcccccgggc 60
tggatgaatg cggcccagagg tnatgtctca caaanagtnc tccgcnccca gacatgggtc 120
ccnngcttc ctgcctcggg agcgancac cnggnntcgt gggaaggtga anatcttccc 180
taaggatgac ccatccaagc cgtccacct cacatcctc ctgggataca aggctggcat 240
gactcacatc gtgnggggaag tgcacaggcc gggatccang gtgaacaana aggaggtggt 300
ggaggcngtn accattgtng agacaccacc catggtggtt gtgggcattg tngcnacat 360
gaaaaccct cgangcctcc ggaccttcan tactgtcttt gctgancaca tcagtgatga 420
atgcannagg cgtttctatn nnaattggcn ttcattctaat aacaangcct ttaccatnta 480

```

1560

```

ctgcannaaa tngcaggatn aggatngcna gaagcngctg ggagaangac ttcagcagca 540
tgaaaaaata tgcccagtc tccgtgtcat tgcccacanc caggattcgc ctgcttcttc 600
tgcgccagna aaaaaggcca cctgatggaa catccnggtg aaccgaaggn ggtgggtggc 660
ganaaactng gacttggggc c 681

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<210> 2273

<211> 355

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

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<220>

<221> misc feature

<222> (272)

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<220>

<221> misc feature

<222> (292)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (309)

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<220>

<221> misc feature

<222> (333)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (344)

<223> n equals a,t,g, or c

<400> 2273

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ggcagagnca gatatccatg tgtggaagct ctgagtcact gaatagcaaa gaaaaaatatg 60
aaagcaagag gaattgcttt cacatctaga aaatgttgca agataatctg aaatcttctg 120
gtgctggtga atgcatgaag aggttcacag tatcttttaa agtacttctg gaaaagataa 180
ggagtttaaa aggtgggtgt gtacactggg cactgagctg cagtaggatt tttccttggg 240
atagtcctggt ctggagctgg gacacagctg cncctttggg aaaggcccg tngcaagatg 300
attggaagna attctccctt attggtaggc cnttgacggc cctntttttc agcca 355

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<210> 2274

<211> 100

<212> DNA

1561

<213> Homo sapiens

<220>

<221> misc feature

<222> (44)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (58)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (73)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (86)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (94)

<223> n equals a,t,g, or c

<400> 2274

gggattccca aagctgacat cacgtgggag ttaccggata agngcatct gaaggcangg 60
gttcaggctc gtntgtatgg aaacanattt cttnaccccc 100

<210> 2275

<211> 446

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (8)

<223> n equals a,t,g, or c

<220>

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<222> (10)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

1562

<220>
<221> misc feature
<222> (38)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (55)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (153)
<223> n equals a,t,g, or c

<220>
<221> misc feature
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<220>
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<220>
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<222> (213)
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<220>
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<222> (223)
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<220>
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<220>
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<220>
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<220>

1563

<221> misc feature
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 <223> n equals a,t,g, or c

<220>
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<220>
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<220>
 <221> misc feature
 <222> (305)
 <223> n equals a,t,g, or c

<220>
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 <222> (371)
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<220>
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 <222> (380)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (395)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (411)
 <223> n equals a,t,g, or c

<220>
 <221> misc feature
 <222> (426)
 <223> n equals a,t,g, or c

<400> 2275
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 cacagctatt taatatgtat ttcaacacta taccacacgc tatataatgt gtatttcagc 120
 aaatatacca caactattta atgtgtatctt cancantata ccacaactat gtgatgtgta 180
 tttcaacaat atgccacagc tntttaatat gtntttcaaa atnacacgca gtccttgctt 240
 tgcatanata tgntgaaacc ataagaaatc accataactnc tgagactcta canaancagt 300
 gttnnatcat cagtgaagg aaattattat tctgtcacct ttacattttt atgtaaaaat 360

1564

attgaaaact ncaataatcn actataaaaag gttcnaatta agaaaaaatt naagaatata 420
 tataangttc atattattca tacctc 446

<210> 2276

<211> 442

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (329)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (420)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (422)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (428)

<223> n equals a,t,g, or c

<400> 2276

tttttctgtc aagctgttct ttatttcagg gagagggcag gggaggggct cagtctttct 60
 tggcagcagc tttcctcatg gcggccagta cgttgctcag ctctctccgc ttcctcttgg 120
 cgcggtatgtg cgtccccacc cttttcttga taaatttgag ggcccgtttg tccttggaga 180
 ctttcagtaa ctccatggcg cgccgctcgt acggggcaaa gccacacacc tcccgaatca 240
 tgtcccgcac gaacttggtg tgtttggtca gacgcccgcg gcgtcgggct gtgcctgggg 300
 cttgctcaag ttcttggtca ctttgtggnc cttgttggaag gccacggggc ataagggtag 360
 cgtaagggcc aatggctgct gctctccaaa aaacggccgg ggggggcccgg taaccaaata 420
 gncctaanag tgaagtcgga tt 442

<210> 2277

<211> 255

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (30)

1565

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (31)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (46)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (50)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (72)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (79)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (105)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (119)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (124)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (139)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (143)

<223> n equals a,t,g, or c

1566

<220>
<221> misc feature
<222> (147)
<223> n equals a,t,g, or c

<220>
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<222> (185)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (198)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (220)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (231)
<223> n equals a,t,g, or c

<220>
<221> misc feature
<222> (241)
<223> n equals a,t,g, or c

<400> 2277
aattcggcac agnctgaagc aggcgctctn ngctcggcgc ggcccncctgn caatccgtgg 60
aggaacgcgc cnccgagcna ccatcatgcc tgggcacttt gaggnagggt tcggctgtnt 120
ggtncaccaa ccgattcgnc canttannta acgacgtttc ggacccttc gagggtgctg 180
aaggngtca gagaacangt aaaaagaagc cgggcggggn tcggcgtttg ngggccctgg 240
ngtcaagttg cgcac 255

<210> 2278
<211> 335
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (8)
<223> n equals a,t,g, or c

<400> 2278
ttttagancc tggctcagga tgaacgctag ctacaggctt aacacatgca agtcgagggg 60
catcaggaag aaagcttgct ttctttgctg gcgaccggcg cacgggtgag taacacgtat 120

1567

```

ccaacctacc ctttactcgg ggatagcctt tcgaaagaaa gattaatacc cgatgggata 180
atcattccgc atgggtctgat tattaaagga ttccggtaaa ggatggggat gcgttccatt 240
agggttggtg tgaggtaacg gcccaccaag ccttcgatgg ataggggttc tgagaggaag 300
gtccccca ca ttggaactga gacacggtcc aaact 335

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<210> 2279

<211> 577

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (12)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (13)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (483)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (538)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (540)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (543)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (548)

<223> n equals a,t,g, or c

<400> 2279

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gtggagcaca annaaaagcc atcttggtgc aaagaggctt taaattacta tggactggca 60
gtcaatcaaa atccaggaat tgatgtctga tgatcagaga gaagcaggtc ggattccacg 120
aacaatagaa tgtgagcttg ttcattgatct tgtggatagc tgtgtcccgagg gagacacagt 180
gactattact ggaattgtca aagtctcaaa tgcggaagaa gggttctcgaa ataagaatga 240
caagtgtatg ttccttttgt atattgaagc aaattctatt agtaatagca aaggacagaa 300

```

1568

aacaaagagt tctgaggatg ggtgtaagca tggaatgttg atggagttct cacttaaaga 360
cctttatgcc atccaagaga ttcaagctga agaaaacctg tttaaactca ttgtcaactc 420
gctttgccct gtcatttttg gtcatgaagc agcgtgcaat gttgccccac gtggcgtgta 480
tgnttggtgt aacaccacga ccacctttgg tctgacggta actctttcaa aagatagntn 540
ctntgganaa tttgcttttg gaacttggtg cccctgg 577

<210> 2280

<211> 372

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (19)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (194)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (224)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (300)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (338)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (346)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (355)

<223> n equals a,t,g, or c

<220>

<221> misc feature

<222> (368)

<223> n equals a,t,g, or c